



Product catalog



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www.hauff-technik-gridcom.de/en

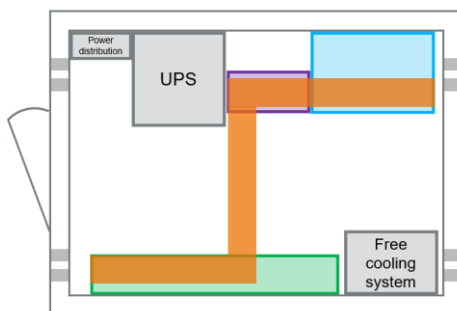
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2LINE PoP standard sizes UT 1

Turnkey PoP-Station made of concrete
 External dimensions incl. raised floor
 WxLxH[mm]: 2200x3000x3510

Further information on the PoP-Station and interior fittings on request



2LINE UT 1 - PtP Final expansion up to 6,048 ports	21518
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2LINE UT 1 - PON Final expansion up to 5,184 ports	21542
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2LINE PoP-Stations UT 1 „optional components“

2LINE UT 1 - grounding	21684
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2LINE UT 1 - unloading and relocation by a 90t mobile crane	21685
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2LINE UT 1 - civil engineering works for the site of the PoP-Station	21686
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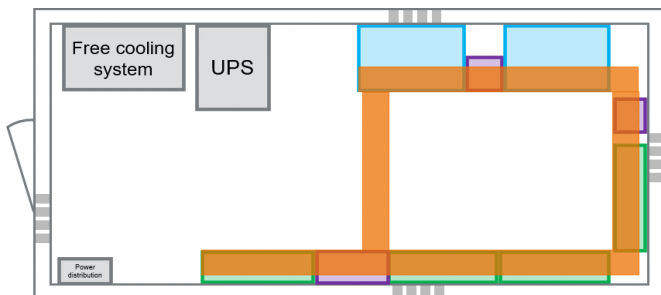
2LINE UT 1 - electrical commissioning	21687
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Description	Order number
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2LINE PoP standard sizes UT 2

Turnkey PoP-Station made of concrete
 External dimensions incl. raised floor
 WxLxH[mm]: 2500x4500x3510

Further information on the PoP-Station and interior fittings on request



2LINE UT 2 - ABS 1 PtP Expansion stage 1 up to 5,184 ports	on request
2LINE UT 2 - ABS 2 PtP Final expansion up to 10,800 ports	on request
2LINE UT 2 - ABS 1 PON Expansion stage 1 up to 4,320 ports	on request
2LINE UT 2 - ABS 2 PON Final expansion up to 9,072 ports	on request

2LINE PoP-Stations UT 2 „optional components“

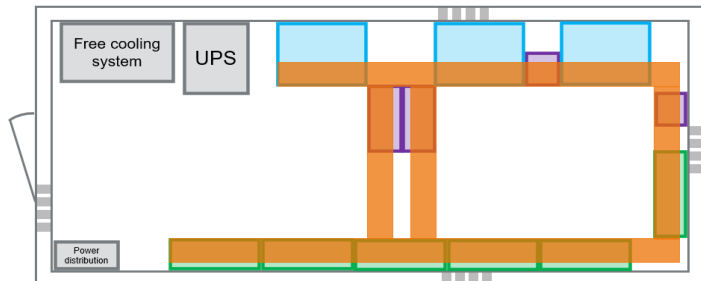
2LINE UT 2 - grounding	on request
2LINE UT 2 - unloading and relocation by a 90t mobile crane	on request
2LINE UT 2 - civil engineering works for the site of the PoP-Station	on request
2LINE UT 2 - electrical commissioning	on request

Description	Order number
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2LINE PoP standard sizes UT 3

Turnkey PoP-Station made of concrete
 External dimensions incl. raised floor
 WxLxH[mm]: 2500x6000x3510

Further information on the PoP-Station and interior fittings on request



<p>2LINE UT 3 - ABS 1 PtP Expansion stage 1 up to 5,184 ports</p>	<p>21519</p>
<p>2LINE UT 3 - ABS 2 PtP Expansion stage 2 up to 10,800 ports</p>	<p>21520</p>
<p>2LINE UT 3 - ABS 3 PtP Expansion stage 3 up to 16,848 ports</p>	<p>21521</p>
<p>2LINE UT 3 - PtP upgrade from ABS 1 to 2 up by 5,616 ports</p>	<p>21544</p>
<p>2LINE UT 3 - PtP upgrade from ABS 2 to 3 up by 6,048 ports</p>	<p>21546</p>

Description	Order number
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2LINE UT 3 - ABS 1 PON Expansion stage 1 up to 4,320 ports	21547
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2LINE UT 3 - ABS 2 PON Expansion stage 2 up to 9,072 ports	21548
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2LINE UT 3 - ABS 3 PON Expansion stage 3 up to 14,256 ports	21549
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2LINE UT 3 - PON upgrade from ABS 1 to 2 up by 4,752 ports	21550
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2LINE UT 3 - PON upgrade from ABS 2 to 3 up by 5,184 ports	21551
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2LINE PoP-Stations UT 3 „optional components“

2LINE UT 3 - grounding	21705
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2LINE UT 3 - unloading and relocation by a 90t mobile crane	21706
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2LINE UT 3 - civil engineering works	21707
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2LINE UT 3 - electrical commissioning	21708
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Description	Order number
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2LINE UT 1, UT 2 and UT 3 general "optional components"

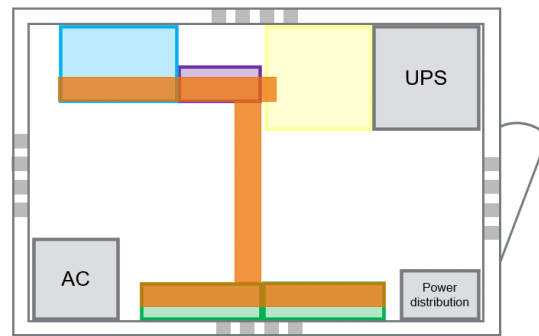
2LINE UT - fire extinguisher	21688
HRD150 4x50 seal incl. adapter ring and blind plug A2/ EPDM 55	21710
HRD150 12x20 seal incl. adapter ring and blind plug A2/ EPDM 55	21711
HRD150 14x16 seal incl. adapter ring and blind plug A2/ EPDM 55	21712
HRD150 24x10 seal incl. adapter ring and blind plug A2/ EPDM 55	21713
HRD150 15x14 seal incl. adapter ring and blind plug A2/ EPDM 55	21714
HRD150 21x14 seal incl. adapter ring and blind plug A2/ EPDM 55	21715
2LINE UT - transport	on request

Description	Order number
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2LINE PoP standard sizes BB 1

Turnkey PoP-Station made of concrete
 External dimensions incl. raised floor
 WxLxH[mm]: 2500x3580x3560

Further information on the PoP-Station and interior fittings on request



<p>2LINE BB 1 - PtP Final expansion up to 6,048 ports</p>	<p>21553</p>
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<p>2LINE BB 1 - PON Final expansion up to 5,184 ports</p>	<p>21555</p>
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Description	Order number
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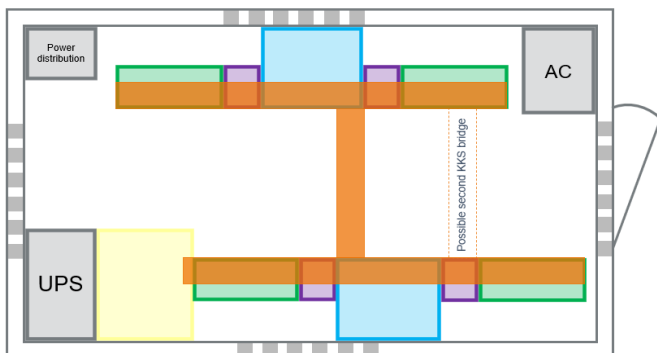
2LINE PoP standard sizes BB 2

Turnkey PoP-Station made of concrete

External dimensions incl. raised floor

WxLxH[mm]: 3020x5380x3560

Further information on the PoP-Station and interior fittings on request



2LINE BB 2 - ABS 1 PtP Expansion stage 1 up to 5,616 ports	21556
2LINE BB 2 - PtP Final expansion up to 11,232 ports	21557
2LINE BB 2 - ABS 1 PON Expansion stage 1 up to 4,752 ports	21558
2LINE BB 2 - PON Final expansion up to 9,504 ports	21559

Description	Order number
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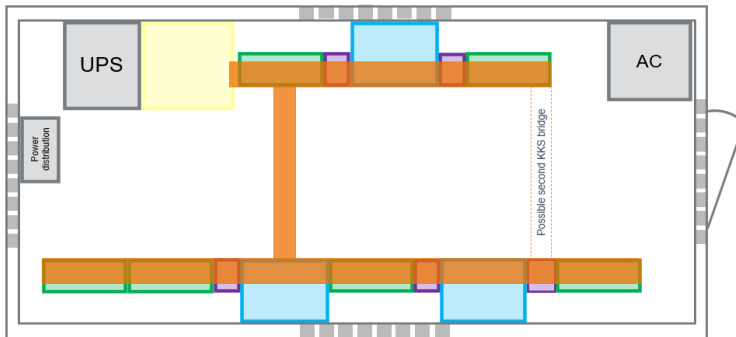
2LINE PoP standrd sizes BB 3

Turnkey PoP-Station made of concrete

External dimensions incl. raised floor

WxLxH[mm]: 3020x6580x3560

Further information on the PoP-Station and interior fittings on request




2LINE BB 3 - ABS 1 PtP Expansion stage 1 up to 5,616 ports	21560
2LINE BB 3 - ABS 2 PtP Expansion stage 2 up to 10,800 ports	21561
2LINE BB 3 - PtP Final expansion up to 16,416 ports	21562
2LINE BB 3 - ABS 1 PON Expansion stage 1 up to 4,752 ports	21563
2LINE BB 3 - ABS 2 PON Expansion stage 2 up to 9,072 ports	21564
2LINE BB 3 - PON Final expansion up to 13,824 ports	21565

Product illustration	Description	Order number
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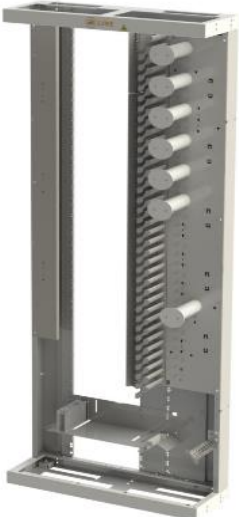


2LINE Patch cable management on the right side

	<p>2LINE ODF 220 42U A Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 42U, up to 3,024 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p> <p><i>former order number: 20034</i></p>	<p>21343</p>
	<p>2LINE ODF 220 42U Z Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 42U, up to 3,024 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p> <p><i>former order number: 20033</i></p>	<p>21344</p>
	<p>2LINE ODF 180 A Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 33U, up to 2,376 Ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21972</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE ODF 180 Z Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 33U, up to 2,376 Ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x300</p> <p>Cabinet disassembled into two boxes á approx. 30kg Delivery unit without modules</p>	<p>21974</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 36U splitter A Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules, splitter holders or splitters</p>	<p>21345</p>
	<p>2LINE ODF 220 36U splitter Z Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36 U, up to 2,592 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules, splitter holders or splitters</p>	<p>21346</p>
	<p>2LINE ODF 220 36HE KKS on the bottom A Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules or KKS</p>	<p>21347</p>

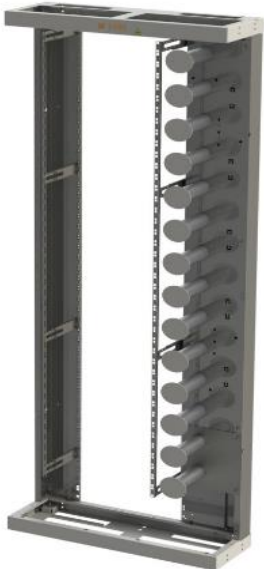

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 36HE KKS on the bottom Z Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules or KKS</p>	<p>21348</p>
	<p>2LINE ODF 220 36HE splitter and KKS on the bottom A Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 30U, up to 2,160 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules, splitter holders, splitters and without KKS</p>	<p>21349</p>
	<p>2LINE ODF 220 36HE splitter and KKS on the bottom Z Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 30U, up to 2,160 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules, splitter holders or splitters and without KKS</p>	<p>21350</p>



<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE ODF for active technology patch cable management on the right side

	<p>2LINE ODF 220 Active 19" 60 A Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p> <p><i>former order number 20877</i></p>	<p>21366</p>
	<p>2LINE ODF 220 Active 19" 60 Z Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x600</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21367</p>

Product illustration	Description	Order number
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	<p>2LINE ODF 220 Active 19" 30 A Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21368</p>
	<p>2LINE ODF 220 Active 19" 30 Z Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21369</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 180 Active A Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 33U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21424</p>
	<p>2LINE ODF 180 Active Z Optical Distribution Frame Patch cable management on the right side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 33U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x600</p> <p>Cabinet disassembled into two boxes á approx. 30kg Delivery unit without modules</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 Active ETSI 60 A Optical Distribution Frame Patch cable management on the right side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21374</p>
	<p>2LINE ODF 220 Active ETSI 60 Z Optical Distribution Frame Patch cable management on the right side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x600</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21375</p>

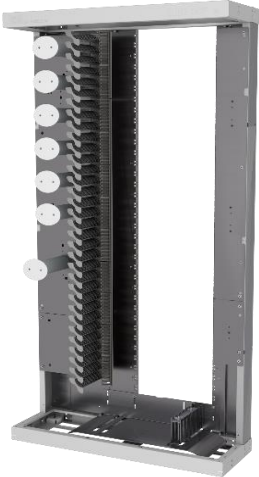
<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 Active ETSI 30 A Optical Distribution Frame Patch cable management on the right side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21376</p>
	<p>2LINE ODF 220 ETSI Z Optical Distribution Frame Patch cable management on the right side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21377</p>

Product illustration	Description	Order number
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2LINE ODF patch cable management on the left side

	<p>2LINE ODF 220 42U AL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 42U, up to 3,024 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p> <p><i>former order number 20040</i></p>	<p>21351</p>
	<p>2LINE ODF 220 42U ZL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 42U, up to 3,024 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p> <p><i>former order number 20039</i></p>	<p>21352</p>
	<p>2LINE ODF 180 AL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max.33U, up to 2,376 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21973</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE ODF 180 ZL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max.33U, up to 2,376 ports Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x300</p> <p>Cabinet disassembled into two boxes á approx. 30kg Delivery unit without modules</p>	<p>21975</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 36U splitter AL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules, without splitter holders or splitters</p>	<p>21353</p>
	<p>2LINE ODF 220 36U splitter ZL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules, without splitter holders or splitters</p>	<p>21354</p>
	<p>2LINE ODF 220 36HE KKS on the bottom AL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules or KKS</p>	<p>21355</p>

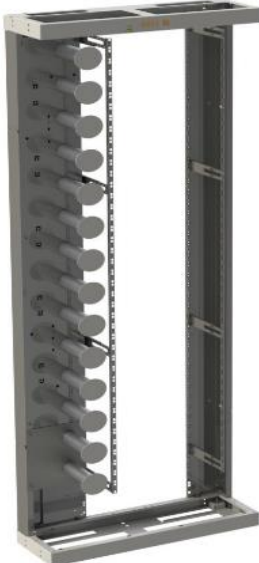
Product illustration	Description	Order number
	<p>2LINE ODF 220 36HE KKS on the bottom ZL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 36U, up to 2,592 Ports Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules or KKS</p>	<p>21356</p>
	<p>2LINE ODF 220 36HE splitter and KKS on the bottom AL Optical Distribution Frame Patch cable management on the left side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 30U, up to 2,160 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules, splitter holders, splitters and without KKS</p>	<p>21357</p>
	<p>2LINE ODF 220 36HE splitter and KKS on the bottom ZL Optical Distribution Frame Patch cable management on the right side for the extension of 2LINE modules and installation of splitters incl. wall mounting angle, mounting set, Cable support plate, patch cable management Capacity: max. 30U, up to 2,160 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Possibility of installing 2LINE KKS cable duct management on the bottom Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules, splitter holders, splitters and without KKS</p>	<p>21358</p>

Product illustration	Description	Order number
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2LINE ODF for active technology patch cable management on the left side

	<p>2LINE ODF 220 Active 19" 60 AL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21364</p>
	<p>2LINE ODF 220 Active 19" 60 ZL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x600</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21365</p>



Product illustration	Description	Order number
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	<p>2LINE ODF 220 Active 19" 30 AL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21362</p>
	<p>2LINE ODF 220 Active 19" 30 ZL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 42U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 2200x900x300</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21363</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE ODF 180 Active AL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 33U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>on request</p>
	<p>2LINE ODF 180 Aktiv ZL Optical Distribution Frame Patch cable management on the left side for the expansion of 19" assemblies incl. depth-adjustable 19" rails incl. wall mounting angle, mounting set, Patch cable management Capacity: max. 33U Max. load capacity: 650 kg Material: Steel plate coated RAL7035, Stainless steel Dimensions HxWxD [mm]: 1800x900x600</p> <p>Cabinet disassembled into two boxes á approx. 30kg Delivery unit without modules</p>	<p>on request</p>



<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE ODF 220 Active ETSI 60 AL Optical Distribution Frame Patch cable management on the left side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x600</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21372</p>
	<p>2LINE ODF 220 Active ETSI 60 ZL Optical Distribution Frame Patch cable management on the left side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x600</p> <p>Cabinet disassembled into two boxes Delivery unit without modules</p>	<p>21373</p>


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 Active ETSI 30 AL Optical Distribution Frame Patch cable management on the left side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x300</p> <p>Cabinet already assembled Delivery unit without modules</p>	<p>21372</p>
	<p>2LINE ODF 220 Active ETSI 30 ZL Optical Distribution Frame Patch cable management on the left side for the expansion of ETSI assemblies incl. depth-adjustable ETSI rails, wall mounting brackets, mounting kit, patch cable management Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters or max. installation height 1,875mm Max. load capacity: 650 kg Material: Steel plate coated RAL 7035, stainless steel Dimensions: HxWxD [mm] 2200x900x300</p> <p>Cabinet disassembled into two boxes á approx. 30kg Delivery unit without modules</p>	<p>21373</p>


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE ODF accessories

	<p>2LINE ODF 220 door set for ODF 2200mm, 2 parts with 3-point bar closing system, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 2200x600 and 2200x300</p>	<p>21771</p>
	<p>2LINE ODF 220 Active door set for ODF 2200mm, 2 parts with 3-point bar closing system and perforated door, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 2200x600 and 2200x300</p>	<p>21765</p>
	<p>2LINE ODF 220 side panel for ODF 2200mm incl. quick lock Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 2200x300 (PU: 1pc.)</p>	<p>20058</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 180 door set for ODF 1800mm, 2 parts with 3-point bar closing system, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 1800x600 and 1800x300</p>	<p>20059</p>
	<p>2LINE ODF 180 Active door set for ODF 1800mm, 2 parts with 3-point bar closing system and perforated door, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 1800x600 and 1800x300</p>	<p>21767</p>
	<p>2LINE ODF 180 side panel for ODF 1800mm incl. quick lock Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 1800x300 (PU: 1pc.)</p>	<p>20060</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 220 door set PKML for ODF 2200mm, 2 parts, left side with 3-point bar closing system, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions:LxW[mm] 2200x600 and 2200x300</p>	<p>21797</p>
	<p>2LINE ODF 220 Active door set PKML for ODF 2200mm, 2 parts, left side with 3-point bar closing system and perforated door, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions:LxW[mm] 2200x600 and 2200x300</p>	<p>21766</p>

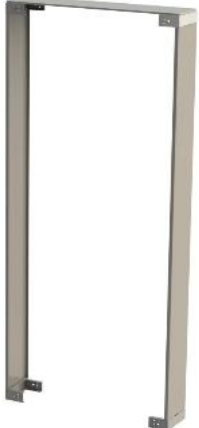
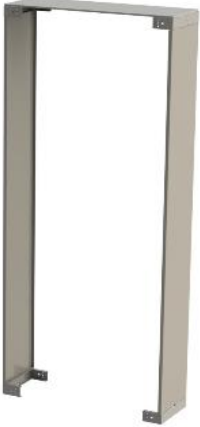
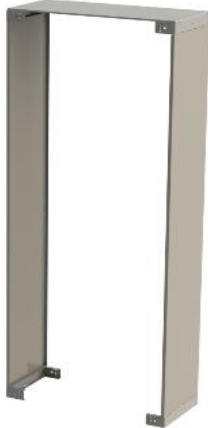

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF 180 door set PKML for ODF 1800mm, 2 parts, left side with 3-point bar closing system, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 1800x600 and 1800x300</p>	<p>20748</p>
	<p>2LINE ODF 180 Active door set PKML for ODF 1800mm, 2 parts, left side with 3-point bar closing system and perforated door, Swivelling lever prepared for profile half cylinders Mounting with spring pin hinge Material: Steel plate coated RAL7035 Dimensions: LxW[mm] 1800x600 and 1800x300</p>	<p>21768</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE ODF cover KAP Covering and protection of the fibre bundles on the cable support plate Material: powder-coated sheet steel, RAL 7035 Dimensions: HxWxD [mm]: 113x470x204</p>	<p>20071</p>
	<p>2LINE ODF upper cover plate Material: sheet steel, powder-coated, RAL 7035 Dimensions: LxW[mm]: 400x196</p>	<p>21410</p>
	<p>2LINE ODF brush border G for 2LINE ODF roof frames large opening LxW [mm] 390x168</p>	<p>21635</p>
	<p>2LINE ODF brush border K for 2LINE ODF roof frames small opening LxW [mm] 240x51</p>	<p>21636</p>
	<p>2LINE ODF cable support plate For interception of incoming cables For 2LINE ODF</p>	<p>21522</p>
	<p>2LINE ODF door set adapter Necessary for combination of 2LINE ODF 36HE KKS bottom and assembly of doors and side panels Use of 2LINE ODF door set 180 and 2LINE ODF side panel 180</p>	<p>21654</p>
	<p>2LINE ODF center hinge Additional hinge for 2LINE ODF Can only be fitted with assembled 2LINE ODF door set and side panel fitted</p>	<p>21660</p>

Product illustration	Description	Order number
	<p>2LINE ODF splitter holder inside for max. 4 splitter modules 100x80x10mm, incl. mounting material Material: stainless steel</p> <p>Can be used with cable duct on top. max. 22pcs. per ODF Rack</p>	<p>20062</p>
	<p>2LINE ODF splitter holder outside right side for mounting of splitters for 2LINE ODF patch cable management on the right side for max. 4 splitter modules 100x80x10mm, incl. mounting material</p>	<p>21382</p>
	<p>2LINE ODF splitter holder outside left side for mounting of splitters for 2LINE ODF patch cable management on the left side for max. 4 splitter modules 100x80x10mm, incl. mounting material Material: stainless steel</p>	<p>on request</p>
	<p>2LINE ODF breakoutholder outside right side for mounting of breakout holders for 2LINE ODF patch cable management on the right side incl. mounting material Material: stainless steel</p>	<p>21630</p>
	<p>2LINE ODF breakoutholder outside left side for mounting of breakout holders for 2LINE ODF patch cable management on the left side incl. mounting material Material: stainless steel</p>	<p>on request</p>
	<p>2LINE back cover ODF 220 Suitable for installation in a 2LINE ODF 220 with SPM installation Material: stainless steel</p>	<p>20293</p>
	<p>2LINE breakout holder in the 2LINE KKS for support of breakout cables incl. cable ties and 4x mounting plate <i>(can only be used in combination with 2LINE KKS at the top)</i></p>	<p>21922</p>

Product illustration	Description	Order number
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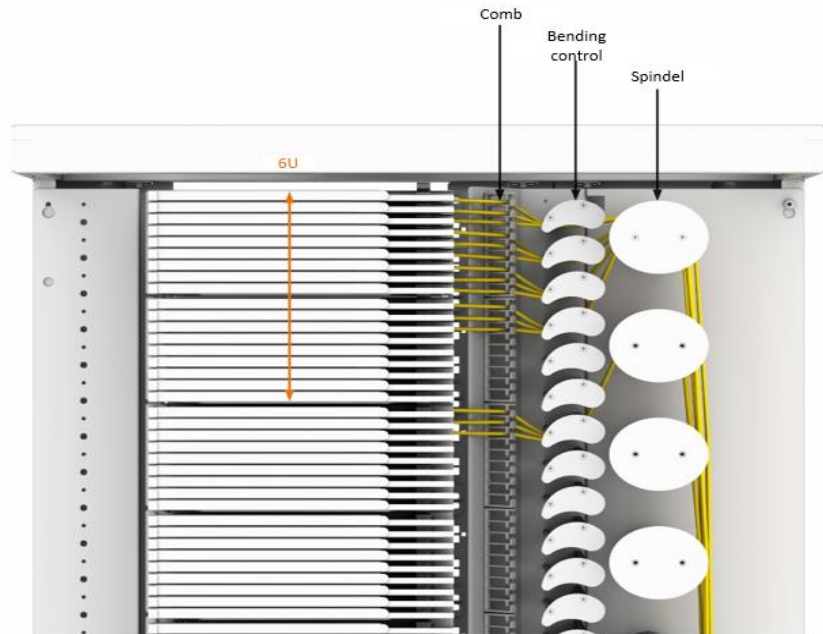
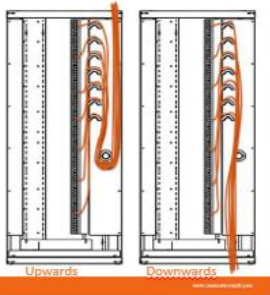
Depth adapter

	<p>2LINE ODF depth adapter 20 for mounting on the back of of 2LINE ODF cabinets Material: Bracket sheet steel coated RAL 7035; Side walls, roof stainless steel Dimensions HxW [mm]: 2200x300</p> <p>Components are delivered disassembled</p> <p><i>former order number 20067</i></p>	<p>21334</p>
	<p>2LINE ODF depth adapter 30 for mounting on the back of of 2LINE ODF cabinets Material: Bracket sheet steel coated RAL 7035; Side walls, roof stainless steel Dimensions HxW [mm]: 2200x300</p> <p>Components are delivered disassembled</p> <p><i>former order number 20068</i></p>	<p>21333</p>
	<p>2LINE ODF depth adapter 40 for mounting on the back of of 2LINE ODF cabinets Material: Bracket sheet steel coated RAL 7035; Side walls, roof stainless steel Dimensions HxW [mm]: 2200x400</p> <p>Components are delivered disassembled</p>	<p>20069</p>
	<p>2LINE ODF wall mounting bracket 30 2x wall mounting brackets Mounting of a cabinet with a gap of 300mm to the wall</p>	<p>on request</p>

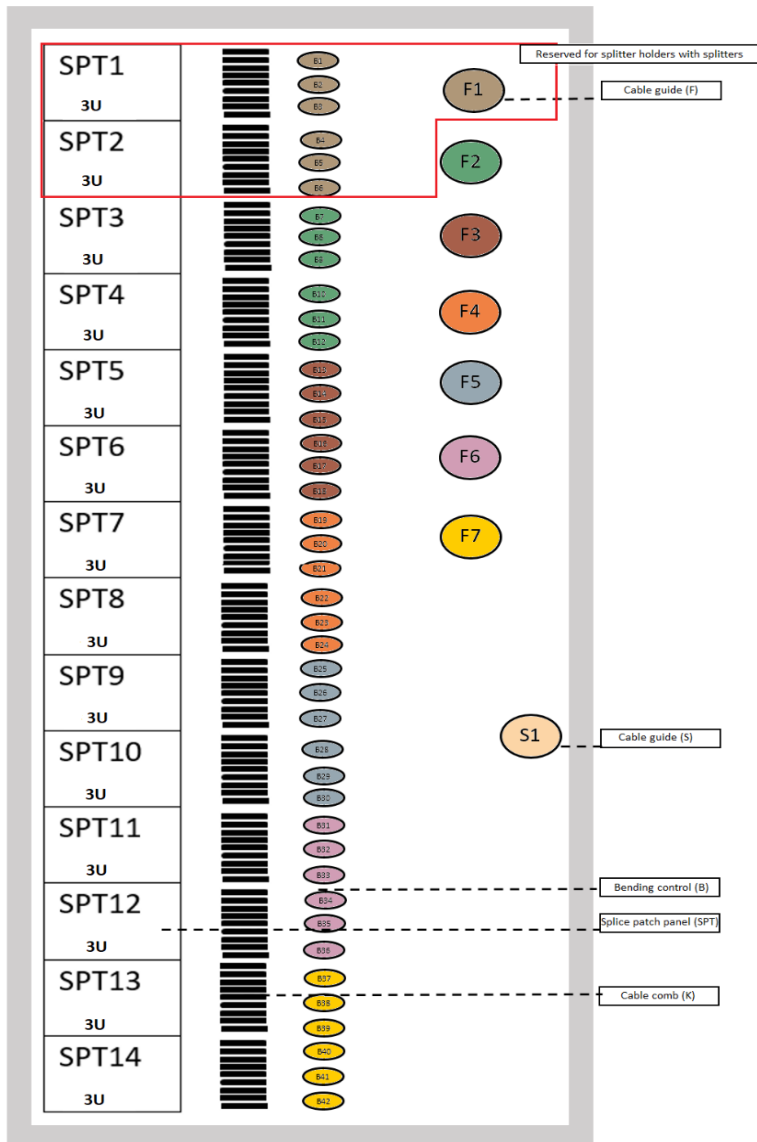
Installation of patch cables:

- Patch cable from 3 HD drawers each through the opening of the comb and under a bending control
- Patch cable from 6U (2x 3U modules) over one (next) spindle

Installation of the patch cables for Patch+




Instructions for patch cable routing in the ODF



Splice patch panel (SPT)	Guide	Bending control (B)	Guide	Cable guide (F)	Guide	Cable guide (S)
1	under	1-3	over	1	under	1
2	under	4-6	over	1	under	1
3	under	7-9	over	2	under	1
4	under	10-12	over	2	under	1
5	under	13-15	over	3	under	1
6	under	16-18	over	3	under	1
7	under	19-21	over	4	under	1
8	under	22-24	over	4	under	1
9	under	25-27	over	5	under	1
10	under	28-30	over	5	under	1
11	under	31-33	over	6	under	1
12	under	34-36	over	6	under	1
13	under	37-39	over	7	under	1
14	under	40-42	over	7	under	1


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE Server/network rack

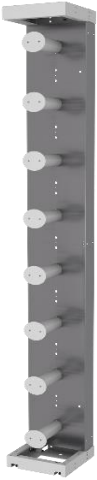

	<p>2LINE Server/network rack 800x800 Frame with depth-adjustable 19" rails Door with glass pane or perforated, door hinge selectable incl. 50x M6 cage nut Dimensions HxWxD [mm]: 2100x800x800</p>	<p>on request</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE POM 220

	<p>2LINE POM 220 30 for KKS at the bottom Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 2200x300x300</p>	<p>21800</p>
	<p>2LINE POM 220 60 for KKS at the bottom Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 2200x600x300</p>	<p>21802</p>



<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE POM 220 30 for KKS at the top Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 2200x300x300</p>	<p>21801</p>
	<p>2LINE POM 220 60 for KKS at the top Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 2200x600x300</p>	<p>21803</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE POM 180

	<p>2LINE POM 180 30 for KKS at the bottom Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 1800x300x300</p>	<p>21816</p>
	<p>2LINE POM 180 60 for KKS at the bottom Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 1800x600x300</p>	<p>21818</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE POM 180 30 for KKS at the top Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 1800x300x300</p>	<p>21817</p>
	<p>2LINE POM 180 60 for KKS at the top Patch cable overlength management Material: stainless steel, Sheet steel coated RAL7035 Dimensions HxWxD [mm]: 1800x600x300</p>	<p>21819</p>

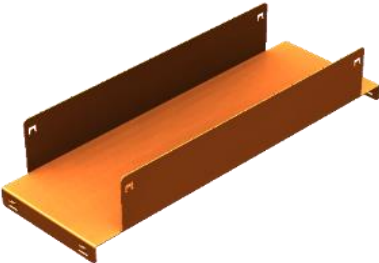
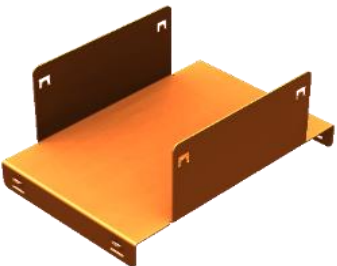
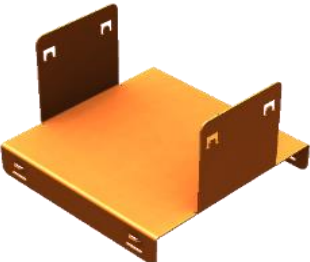
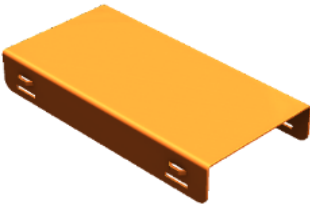
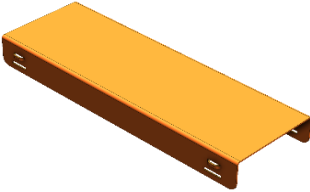
Product illustration	Description	Order number
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2LINE KKS basic elements (active elements)

	<p>2LINE KKS floor element 90 Basic element for mounting on cabinets. With a cut-out to accommodate inserts (2LINE KKS 360° diffuser or 2LINE KKS blind cover).</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 36,5x900x200</p>	<p>21309</p>
	<p>2LINE KKS floor element 60 Basic element for mounting on cabinets. With a cut-out to accommodate inserts (2LINE KKS 360° diffuser or 2LINE KKS blind cover).</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 36,5x600x200</p>	<p>21310</p>
	<p>2LINE KKS floor element 30 Basic element for mounting on cabinets. With a cut-out to accommodate inserts (2LINE KKS 360° diffuser or 2LINE KKS blind cover).</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 36,5x300x200</p>	<p>21311</p>

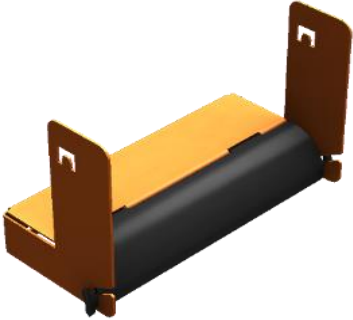
Product illustration	Description	Order number
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2LINE KKS basic elements (add-on elements)



	<p>2LINE KKS bridge element 60 Add-on element for connecting two floor elements With integrated wall</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x600x203</p>	<p>21312</p>
	<p>2LINE KKS bridge element 30 Add-on element for connecting two floor elements With integrated wall</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x300x203</p>	<p>21313</p>
	<p>2LINE KKS bridge element 20 Add-on element for connecting two floor elements With integrated wall</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x200x203</p>	<p>21314</p>
	<p>2LINE KKS bridge element 10 Add-on element for connecting two floor elements</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 34,5x100x203</p>	<p>21315</p>
	<p>2LINE KKS bridge element 10-30 Add-on element for connecting two floor elements 300mm width</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 34,5x100x300</p>	<p>21847</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE KKS variable bridge element 110 Add-on element for connecting two floor elements With integrated wall Length variably adjustable: 800 - 1100 mm</p> <p>Consisting of three elements: 2 x half bridge Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x400x203</p> <p>1 x bridge connector 650 Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 99,5x650x199</p>	<p>21316</p>
	<p>2LINE KKS variable bridge element 140 Add-on element for connecting two floor elements With integrated wall Length variably adjustable: 1100 - 1400 mm</p> <p>Consisting of three elements: 2 x half bridge Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x400x203</p> <p>1 x bridge connector 950 Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 99,5x950x199</p>	<p>21317</p>
	<p>2LINE KKS variable bridge element 200 Add-on element for connecting two floor elements With integrated wall Length variably adjustable: 1400 - 2000 mm</p> <p>Consisting of three elements: 2 x half bridge Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 134,5x700x203</p> <p>1 x bridge connector 950 Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 99,5x950x199</p>	<p>21780</p>

Product illustration	Description	Order number
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	<p>2LINE KKS exit Add-on element to overcome a height difference or as a lateral outlet.</p> <p>Consisting of two elements: 1 x outlet Material: Steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 134,5x100x203</p> <p>1 x bending control Material: plastic black Dimensions HxWxD [mm]: 44x30x217</p>	<p>21318</p>
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2LINE KKS wall elements

	<p>2LINE KKS wall element X (X: length) For mounting on floor elements as wall</p> <p>Available in the following lengths: 900 mm 600 mm 300 mm 250 mm 200 mm 150 mm 100 mm 50 mm</p> <p>Material: Steel plate coated RAL2008 Dimensions HxWxD [mm]: 133x selected width x 1,5</p>	<p>21319 21320 21321 21322 21323 21324 21325 21326</p>
	<p>2LINE KKS mounting aid Help for bending lug</p>	<p>21417</p>

Product illustration	Description	Order number
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2LINE KKS connection elements

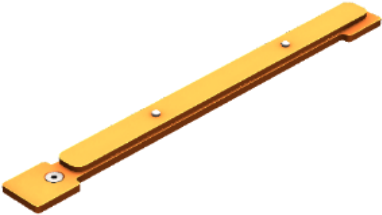
	<p>2LINE KKS wall corner element For mounting on wall elements as inside corner. With 30mm radius bend control at inside corner.</p> <p>Consisting of two elements: 1 x wall corner element Material: sheet steel powder coated RAL2008 Dimensions HxWxD [mm]: 134,5x100x203</p> <p>1 x bending control Material: plastic black Dimensions HxWxD [mm]: 99x46x46</p>	<p>21327</p>
	<p>2LINE KKS wall connector straight Connecting element for joining two wall elements. For fixing two parallel, adjacent wall elements.</p> <p>Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 56.5x49.5x1.5</p>	<p>21328</p>
	<p>2LINE KKS wall connector corner Connecting element for joining two wall elements. For fixing two wall elements at 90° to each other.</p> <p>Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 56,5x27,5x27,5</p>	<p>21329</p>

Product illustration	Description	Order number
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2LINE KKS inserts for floor elements

	<p>2LINE KKS 360° Outlet For 360° inlet/outlet of cables with radius 30mm bending control in the shelf of the floor element 360° outlet will be deposited in floor element. This creates an outlet to the cabinet below.</p> <p>Material: plastic Dimensions HxWxD [mm]: 35x232x163</p>	<p>21330</p>
	<p>2LINE KKS blind cover Insert for floor elements for use without outlet Blind cover is inserted into floor element. This closes the outlet, to use the floor element without outlet</p> <p>Consisting of 5 elements: 1 x blind cover Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 12x226,6x159,6</p> <p>4 x sheathing screws DIN 7516-A M4x8</p>	<p>21331</p>


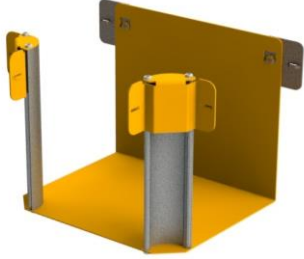


2LINE KKS variable fastening element

	<p>2LINE KKS variable fastening element Fastening element 200mm wide for fastening the floor elements on a 2LINE ODF. As a basic element for variable fastening of the floor elements on a 2LINE ODF. Two fastening elements are required per floor element</p> <p>Consisting of two steel sheet components. The base component is screwed onto the ODF. The fastening component clamps the floor element to the base component.</p> <p>Consisting of six elements: 1 x base component Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 4x225x24</p> <p>1 x fastening component Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 3x194x15</p> <p>2 x cylinder head screw, DIN 7984 M4x10</p> <p>2 x countersunk screw, DIN 7991 M4x8</p>	<p>21332</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE KKS at the bottom

	<p>2LINE KKS at the bottom 90 PKM on the right side T-element cable duct for 2LINE ODF with patch cable management on the right side incl. feed-through to rear</p> <p>Material: sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x900x300</p>	<p>21637</p>
	<p>2LINE KKS at the bottom 90 PKM on the left side T-element cable duct for 2LINE ODF with patch cable management on the left side incl. feed-through to rear</p> <p>Material: sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x900x300</p>	<p>21638</p>
	<p>2LINE KKS at the bottom 90 Cable duct system for 2LINE ODF</p> <p>Material: sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x900x153</p>	<p>21639</p>


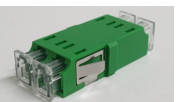







Product illustration	Description	Order number
	<p>2LINE KKS at the bottom corner Cable duct corner 90° incl. 2x wall connector straight 1x bending control with connector</p> <p>Material: sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x188x188</p>	<p>21640</p>
	<p>2LINE KKS at the bottom T-piece Cable duct T-piece incl. 2x wall connector straight 2x bending control with connector</p> <p>Material: sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x188x188</p>	<p>21641</p>
	<p>2LINE KKS at the bottom variable bridge 135 Cable duct variable bridge length adjustable: 800 - 1350 mm incl. support feet</p> <p>Material: sheet steel powder-coated RAL 2008 dimensions HxWxD [mm]: 200x800-1350x153</p>	<p>21642</p>
	<p>2LINE KKS at the bottom cable duct end cover Cable duct end cover incl. 2x corner connectors</p> <p>Material: Sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 234x1,5x150</p>	<p>21643</p>

Product illustration	Description	Order number
	<p>2LINE KKS at the bottom 30 Cable duct 30 Possible installation in 2LINE POM 30</p> <p>Material: Sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x300x153</p>	<p>21644</p>
	<p>2LINE KKS at the bottom 60 Cable duct 60 Possible installation in 2LINE POM 60</p> <p>Material: Sheet steel powder-coated RAL 2008 Dimensions HxWxD [mm]: 200x600x153</p>	<p>21645</p>
	<p>2LINE KKS wall connector straight Connecting element for joining two wall elements. For fixing two parallel, adjacent wall elements.</p> <p>Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 56.5x49.5x1.5</p>	<p>21328</p>
	<p>2LINE KKS wall connector corner Connecting element for joining two wall elements. For fixing two wall elements at 90° to each other.</p> <p>Material: steel sheet powder coated RAL2008 Dimensions HxWxD [mm]: 56,5x27,5x27,5</p>	<p>21329</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM High Density (HD)

  	<p>2LINE SPM 1U HD LC/APC B Splice/Patch Module, 72 ports Patch cable output on the right side 72 pigtails LC/APC, 36 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20250</p>
  	<p>2LINE SPM 2U HD LC/APC B Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20251</p>
  	<p>2LINE SPM 3U HD LC/APC B Splice/Patch Module, 216 ports Patch cable output on the right side 216 pigtails LC/APC, 108 couplings LC/APCdx fibre G657.A1, connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20252</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM Standard (ST)

	<p>2LINE SPM 1U ST LC/APC B Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>21783</p>
	<p>2LINE SPM 2U ST LC/APC B Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20200</p>
	<p>2LINE SPM 3U ST LC/APC B Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20201</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
	<p>2LINE SPM 1U ST SC/APC B Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails SC/APC, 48 couplings SC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>21279</p>
	<p>2LINE SPM 2U ST SC/APC B Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails SC/APC, 96 couplings SC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>21460</p>
	<p>2LINE SPM 3U ST SC/APC B Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails SC/APC, 144 couplings SC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20180</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE SPM 1U ST E2000 HS B Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20217</p>
	<p>2LINE SPM 2U ST E2000 HS B Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20218</p>
	<p>2LINE SPM 3U ST E2000 HS B Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20219</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
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2LINE FM Fanout Module ST

	<p>2LINE FM 1U ST Fanout LC/APC B Fanout Module, 48 ports Patch cable output on the right side 2x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G652.D, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20753</p>
	<p>2LINE FM 2U ST Fanout LC/APC B Fanout Module, 96 ports Patch cable output on the right side 4x 24 fanout LC/APC., 48 couplings LC/APCdx fibre G652.D, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE FM 3U ST Fanout LC/APC B Fanout Module, 144 Ports Patch cable output on the right side 6x 24 fanout LC/APC., 72 couplings LC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20764</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE FM 1U ST Fanout LC/APC B Fanout Module, 48 ports Patch cable output on the right side 2x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE FM 2U ST Fanout LC/APC B Fanout Module, 96 ports Patch cable output on the right side 4x 24 fanout LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE FM 3U ST Fanout LC/APC B Fanout Module, 144 Ports Patch cable output on the right side 6x 24 fanout LC/APC, 72 couplings LC/APCdx fibre G657.A1 connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
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2LINE FM Fanout Module HD

  	<p>2LINE FM 1U HD Fanout LC/APC B Fanout Module, 72 ports Patch cable output on the right side 3x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G652.D, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
  	<p>2LINE FM 2U HD Fanout LC/APC B Fanout Module, 144 ports Patch cable output on the right side 6x 24 fanout LC/APC., 48 couplings LC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
  	<p>2LINE FM 3U HD Fanout LC/APC B Fanout Module, 216 Ports Patch cable output on the right side 9x 24 fanout LC/APC., 72 couplings LC/APCdx fibre G652.D, connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM

2LINE Fanout Modules FM



2LINE Splice Modules SM

Product illustration	Description	Order number
  	<p>2LINE FM 1U HD Fanout LC/APC B Fanout Module, 72 ports Patch cable output on the right side 3x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20968</p>
  	<p>2LINE FM 2U HD Fanout LC/APC B Fanout Module, 144 ports Patch cable output on the right side 6x 24 fanout LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>21099</p>
  	<p>2LINE FM 3U HD Fanout LC/APC B Fanout Module, 216 Ports Patch cable output on the right side 9x 24 fanout LC/APC, 72 couplings LC/APCdx fibre G657.A1 connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20939</p>

2LINE Splice/Patch Modules SPM
2LINE Fanout Modules FM
2LINE Splice Modules SM

Product illustration	Description	Order number
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2LINE SM Splice Module

	<p>2LINE SM 2U 2U Splice Module, up to 144 splices 2LINE Cassette Module with max. 12 resting places Loose tube feeding by means of 2x flexible hose outer Ø: 21,0mm inside Ø: 16,0mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280 for ODF racks/MFC with patch cable management on the right side</p>	<p>21131</p>
	<p>2LINE SM 3U 3U Splice Module, up to 216 splices 2LINE Cassette Module with max. 18 resting places Loose tube feeding by means of 2x flexible hose outer Ø: 21,0mm inside Ø: 16,0mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280 for ODF racks/MFC with patch cable management on the right side</p>	<p>21048</p>

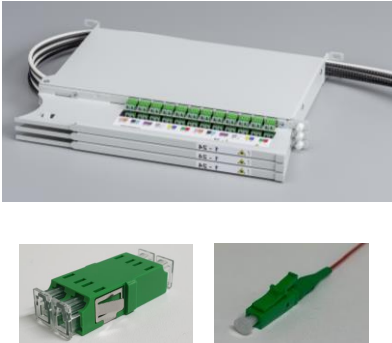


2LINE Splice/Patch Modules SPM accessories

	<p>2LINE Miniflex black outerØ: 5,0mm linsideØ: 3,3mm Length: 3,3 m (suitable for 2LINE SPM) Colour black</p>	<p>21277</p>
	<p>2LINE Miniflex white outerØ: 5,0mm linsideØ: 3,3mm Length: 3,3 m (suitable for 2LINE SPM) Colour black</p>	<p>21278</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM High Density (HD) left side

	<p>2LINE SPM 1U HDL LC/APC B Splice/Patch Module, 72 ports Patch cable output on the left side 72 pigtails LC/APC, 36 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20649</p>
	<p>2LINE SPM 2U HDL LC/APC B Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U HDL LC/APC B Splice/Patch Module, 216 ports Patch cable output on the left side 216 pigtails LC/APC, 108 couplings LC/APCdx fibre G657.A1, connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20424</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM Standard (ST) left side

	<p>2LINE SPM 1U STL LC/APC B Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20281</p>
	<p>2LINE SPM 2U STL LC/APC B Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U STL LC/APC B Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20266</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

Product illustration	Description	Order number
	<p>2LINE SPM 1U STL SC/APC B Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails SC/APC, 48 couplings SC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U STL SC/APC B Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails SC/APC, 96 couplings SC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>21490</p>
	<p>2LINE SPM 3U STL SC/APC B Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails SC/APC, 144 couplings SC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>21491</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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  	<p>2LINE SPM 1U STL E2000 HS B Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>20596</p>
  	<p>2LINE SPM 2U STL E2000 HS B Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20342</p>
  	<p>2LINE SPM 3U STL E2000 HS B Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>20343</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

Product illustration	Description	Order number
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2LINE FM Fanout Module ST left side

	<p>2LINE FM 1U STL Fanout LC/APC B Fanout Module, 48 ports Patch cable output on the left side 2x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G652.D, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE FM 2U STL Fanout LC/APC B Fanout Module, 96 ports Patch cable output on the left side 4x 24 fanout LC/APC, 48 couplings LC/APCdx fibre G652.D, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE FM 3U STL Fanout LC/APC B Fanout Module, 144 Ports Patch cable output on the left side 6x 24 fanout LC/APC, 72 couplings LC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

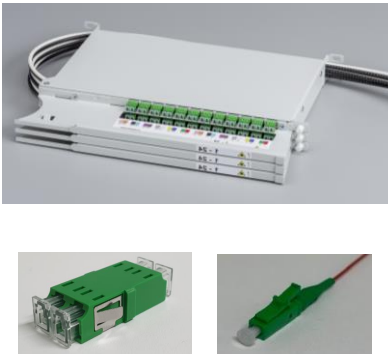


Product illustration	Description	Order number
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	<p>2LINE FM 1U STL Fanout LC/APC B Fanout Module, 48 ports Patch cable output on the left side 2x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE FM 2U STL Fanout LC/APC B Fanout Module, 96 ports Patch cable output on the left side 4x 24 fanout LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE FM 3U ST Fanout LC/APC B Fanout Module, 144 Ports Patch cable output on the right side 6x 24 fanout LC/APC, 72 couplings LC/APCdx fibre G657.A1 connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

Product illustration	Description	Order number
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2LINE FM Fanout Module HD left side

	<p>2LINE FM 1U HDL Fanout LC/APC B Fanout Module, 72 ports Patch cable output on the left side 3x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G652.D, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE FM 2U HDL Fanout LC/APC B Fanout Module, 144 ports Patch cable output on the left side 6x 24 fanout LC/APC,, 48 couplings LC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE FM 3U HDL Fanout LC/APC B Fanout Module, 216 Ports Patch cable output on the left side 9x 24 fanout LC/APC,, 72 couplings LC/APCdx fibre G652.D, connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side


Product illustration	Description	Order number
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  	<p>2LINE FM 1U HDL Fanout LC/APC B Fanout Module, 72 ports Patch cable output on the left side 3x 24 fanout LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
  	<p>2LINE FM 2U HDL Fanout LC/APC B Fanout Module, 144 ports Patch cable output on the left side 6x 24 fanout LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
  	<p>2LINE FM 3U HDL Fanout LC/APC B Fanout Module, 216 Ports Patch cable output on the left side 9x 24 fanout LC/APC, 72 couplings LC/APCdx fibre G657.A1 connector Grade B 9 drawers with 24 ports each and 2 splice protection holders each 12xcrimp Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

2LINE Splice/Patch Modules SPM left side
2LINE Fanout Modules FM left side
2LINE Splice Modules SM left side

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE SM Splice Module left side

	<p>2LINE SML 2U 2U Splice Module, up to 144 splices, left side 2LINE Cassette Module with max. 12 resting places Loose tube feeding by means of 2x flexible hose outer Ø: 21,0mm inside Ø: 16,0mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280 for ODF racks/MFC with patch cable management on the left side</p>	<p>21709</p>
	<p>2LINE SML 3U 3U Splice Module, up to 216 splices, left side 2LINE Cassette Module with max. 18 resting places Loose tube feeding by means of 2x flexible hose outer Ø: 21,0mm inside Ø: 16,0mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280 for ODF racks/MFC with patch cable management on the left side</p>	<p>21492</p>

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM High Density (HD) shrink

	<p>2LINE SPM 1U HD LC/APC B (s) Splice/Patch Module, 72 ports Patch cable output on the right side 72 pigtailed LC/APC, 36 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U HD LC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtailed LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U HD LC/APC B (s) Splice/Patch Module, 216 ports Patch cable output on the right side 216 pigtailed LC/APC, 108 couplings LC/APCdx fibre G657.A1, connector Grade B 9 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE Splice/Patch Modules SPM Standard (ST) shrink

	<p>2LINE SPM 1U ST LC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U ST LC/APC B (s) Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20833</p>
	<p>2LINE SPM 3U ST LC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

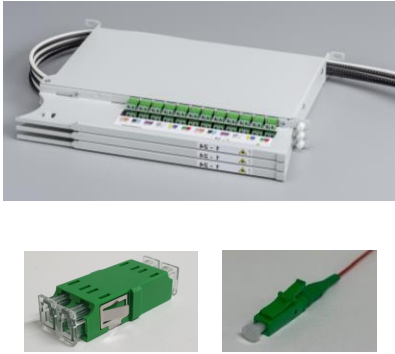


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE SPM 1U ST SC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails SC/APC, 48 couplings SC/APCdx fibre G652.D, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U ST SC/APC B (s) Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails SC/APC, 96 couplings SC/APCdx fibre G652.D, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U ST SC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails SC/APC, 144 couplings SC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE SPM 1U ST SC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtailed SC/APC, 48 couplings SC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U ST SC/APC B (s) Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtailed SC/APC, 96 couplings SC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U ST SC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtailed SC/APC, 144 couplings SC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE SPM 1U ST E2000 HS B (s) Splice/Patch Module, 48 ports Patch cable output on the right side 48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U ST E2000 HS B (s) Splice/Patch Module, 96 ports Patch cable output on the right side 96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U ST E2000 HS B (s) Splice/Patch Module, 144 ports Patch cable output on the right side 144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM High Density (HD) shrink, left side

	<p>2LINE SPM 1U HDL LC/APC B (s) Splice/Patch Module, 72 ports Patch cable output on the left side 72 pigtails LC/APC, 36 couplings LC/APCdx fibre G657.A1, connector Grade B 3 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U HDL LC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U HDL LC/APC B (s) Splice/Patch Module, 216 ports Patch cable output on the left side 216 pigtails LC/APC, 108 couplings LC/APCdx fibre G657.A1, connector Grade B 9 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

Product illustration	Description	Order number
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2LINE Splice/Patch Modules SPM Standard (ST) shrink, left side

	<p>2LINE SPM 1U STL LC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails LC/APC, 24 couplings LC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U STL LC/APC B (s) Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails LC/APC, 48 couplings LC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U STL LC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails LC/APC, 72 couplings LC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

Product illustration	Description	Order number
  	<p>2LINE SPM 1U STL SC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails SC/APC, 48 couplings SC/APCdx fibre G652.D, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
  	<p>2LINE SPM 2U STL SC/APC B Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails SC/APC, 96 couplings SC/APCdx fibre G652.D, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
  	<p>2LINE SPM 3U STL SC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails SC/APC, 144 couplings SC/APCdx fibre G652.D, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

Product illustration	Description	Order number
	<p>2LINE SPM 1U STL SC/APC B (s) Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails SC/APC, 48 couplings SC/APCdx fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2U STL SC/APC B (s) Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails SC/APC, 96 couplings SC/APCdx fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3U STL SC/APC B (s) Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails SC/APC, 144 couplings SC/APCdx fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

Product illustration	Description	Order number
	<p>2LINE SPM 1U STL E2000 HS B (s) Splice/Patch Module, 48 ports Patch cable output on the left side 48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 2 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 44x350x280</p>	<p>on request</p>
	<p>2LINE SPM 2HE STL E2000 HS B (s) Splice/Patch Module, 96 ports Patch cable output on the left side 96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 4 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE SPM 3HE STL E2000 HS B (s) Splice/Patch Module, 144 ports Patch cable output on the left side 144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner, fibre G657.A1, connector Grade B 6 drawers with 24 ports each and 4 splice protection holders each 6xshrink Loose tube feeding by means of miniflex hose Outside Ø: 5mm inside Ø: 3,3mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 132x350x280</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE MAD Module adapter ETSI

	<p>2LINE MAD 1U ETSI adapter v ETSI adapter 1U for 2LINE module for front mounting</p> <p>incl. mounting material</p>	<p>20272</p>
	<p>2LINE MAD 2U ETSI adapter v ETSI adapter 2U for 2LINE module for front mounting</p> <p>incl. mounting material</p>	<p>on request</p>
	<p>2LINE MAD 3U ETSI adapter v ETSI adapter 3U for 2LINE module for front mounting</p> <p>incl. mounting material</p>	<p>20273</p>
	<p>2LINE MAD 1U ETSI adapter h ETSI adapter 1U for 2LINE module for rear mounting</p> <p>incl. mounting material</p>	<p>20600</p>
	<p>2LINE MAD 2U ETSI adapter h ETSI adapter 2U for 2LINE module for rear mounting</p> <p>incl. mounting material</p>	<p>on request</p>
	<p>2LINE MAD 3U ETSI adapter h ETSI adapter 3U for 2LINE module for rear mounting</p> <p>incl. mounting material</p>	<p>20597</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE MAD Module adapter 19"



	<p>2LINE MAD 1U 19" adapter v 19" Module adapter for front mounting</p> <p>incl. mounting material</p>	<p>20670</p>
	<p>2LINE MAD 2U 19" adapter v 19" Module adapter for front mounting</p> <p>incl. mounting material</p>	<p>20685</p>
	<p>2LINE MAD 3U 19" adapter v 19" Module adapter for front mounting</p> <p>incl. mounting material</p>	<p>20496</p>
	<p>2LINE MAD 1U 19" adapter h 19" Module adapter for rear mounting</p> <p>incl. mounting material</p>	<p>20803</p>
	<p>2LINE MAD 2U 19" adapter h 19" Module adapter for rear mounting</p> <p>incl. mounting material</p>	<p>20802</p>
	<p>2LINE MAD 3U 19" adapter h 19" Module adapter for rear mounting</p> <p>incl. mounting material</p>	<p>20801</p>
	<p>2LINE Mounting bracket 19" 2LINE SPM 15" Bracket 19" for 15" 2LINE splice/patch modules in the 2LINE ODF</p> <p>incl. mounting material</p>	<p>21228</p>
	<p>2LINE ETSI mounting bracket for mounting of a 2LINE cable support plate in a 2LINE ETSI rack</p> <p>incl. mounting material</p>	<p>21656</p>

Product illustration	Description	Order number
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2LINE Storage box



	<p>2LINE 2U patch cable storage box for the storage of patch cables in the 2LINE ODF/MFC with patch cable management on the right side Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20389</p>
	<p>2LINE 2U loose tube storage box for the storage of patch cables in the 2LINE ODF/MFC with patch cable management on the right side incl. mounting material Loose tube feeding by means of 2x flexible hose Outside Ø: 21mm Inside Ø: 16mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>20958</p>

2LINE Storage box mirrored



	<p>2LINE 2U patch cable storage box L for the storage of patch cables in the 2LINE ODF/MFC with patch cable management on the left side Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>on request</p>
	<p>2LINE 2U loose tube storage box L for the storage of patch cables in the 2LINE ODF/MFC with patch cable management on the left side incl. mounting material Loose tube feeding by means of 2x flexible hose Outside Ø: 21mm Inside Ø: 16mm Material: Steel plate coated RAL 7035 Dimensions HxWxD [mm]: 88x350x280</p>	<p>21530</p>

Product illustration	Description	Order number
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2LINE MFC 8

	<p>2LINE MFC 8 roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 6WU (width units) for up to 1,296 ports without center bar Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1600x1000x500</p>	<p>20086</p>
	<p>2LINE MFC 8 base Ground base for MFC 8 Height adjustable width Interception possibility for pipe assemblies Material: stainless steel RAL7035 Dimensions HxWxD [mm]: 510-660x1000x500</p>	<p>20090</p>

2LINE MFC 12



	<p>2LINE MFC 12 roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 9WU (width units) for up to 2,592 ports without center bar Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1600x1400x500</p>	<p>20087</p>
	<p>2LINE MFC 12 base Ground base for MFC 12 Height adjustable with Interception possibility for pipe assemblies Material: stainless steel RAL7035 Dimensions HxWxD [mm]: 510-660x1400x500</p>	<p>20091</p>

2LINE MFC 15

	<p>2LINE MFC 15 roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 11WU (width units) for up to 2,592 ports without center bar Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1600x1700x500</p>	<p>20088</p>
	<p>2LINE MFC 15 base Ground base for MFC 15 Height adjustable with Interception possibility for pipe assemblies Material: stainless steel RAL7035 Dimensions HxWxD [mm]: 510-660x1700x500</p>	<p>20092</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE MFC 18

	<p>2LINE MFC 18 roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 13WU (width units) for up to 3,888 ports without center bar Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1600x2000x500</p>	<p>20089</p>
	<p>2LINE MFC 18 housing 3-door Distribution cabinet IP55 RC2 For expansion with modules, among others Capacity 10WU (width units) for up to 2,592 ports With symmetrical door + Separate access approx. 300mm (for removal of a power supply unit) Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1600x2000x500</p>	<p>on request</p>
	<p>2LINE MFC active cooling system display For commissioning and subsequent parameterisation of the control settings or for retrieving operating data</p>	<p>21668</p>

Product illustration	Description	Order number
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MFC with active cooling system

	<p>2LINE MFC 18 AK roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 13WU (width units) incl. "Active cooling system" - waste cooling capacity: 3500W - Sound pressure level (1m hemisphere): 35dB(A) noise protection - Hermetically sealed cooling circuit without center bar Ventilation grid on the right side Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1940x2000x500</p> <p><u>Note:</u> The display (21668) is required for commissioning the cooling system!</p> <p>Note: Only available including 2LINE Optical fibre Expansion + 2LINE Splice-Patch Module</p>	<p>21002</p>
	<p>2LINE MFC 18 AK roadside cabinet Distribution cabinet IP55 RC2 for the expansion with modules Capacity 13WU (width units) incl. "Active cooling system" - Waste cooling capacity: 3500W - Sound pressure level (1m hemisphere): 35dB(A) noise protection - Hermetically sealed cooling circuit without center bar Ventilation grid on the left side Material: aluminium/stainless steel RAL 7035 Dimensions HxWxD [mm]: 1940x2000x500</p> <p><u>Note:</u> The display (21668) is required for commissioning the cooling system!</p> <p>Note: Only available including 2LINE Optical fibre Expansion + 2LINE Splice-Patch Module</p>	<p>21111</p>
	<p>2LINE MFC 18 Base Ground base for MFC 18 Height adjustable with Interception possibility for pipe assemblies Material: stainless steel RAL7035 Dimensions HxWxD [mm]: 510-660x1700x500</p>	<p>20093</p>


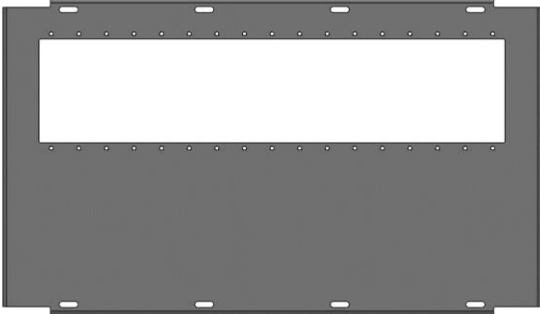
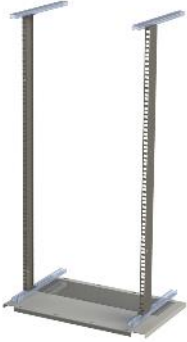
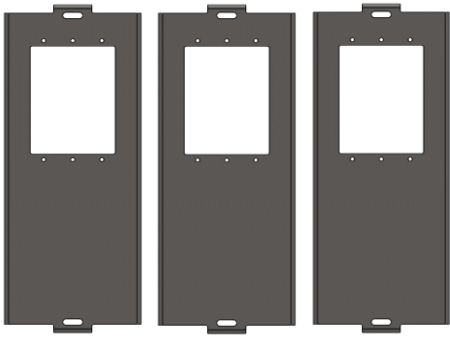
Product illustration	Description	Order number
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Expansion possibilities 2LINE MFC


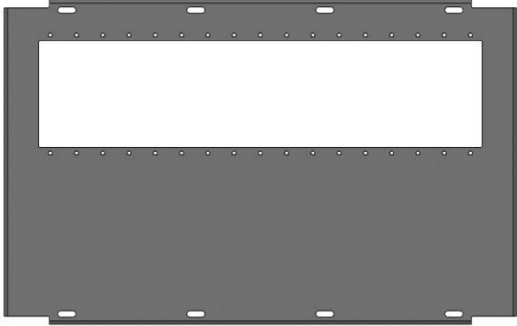

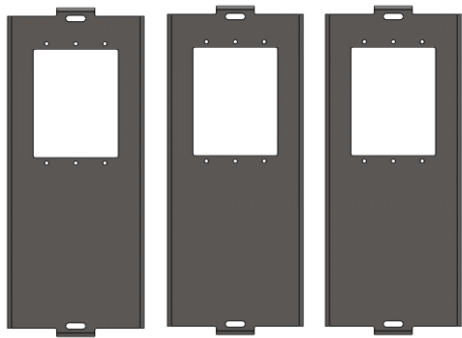
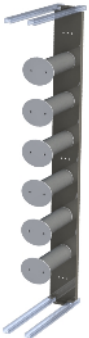
	<p>2LINE MFC glass fibre expansion HD (V-base) Universal mounting plate for HD modules fibre routing and cable management incl. V-base and cable support plate, dummy plates Capacity 18U up to 1,296 ports Material: stainless steel Dimensions W [mm]: 700, 5WU <u>Entry place in the floor area (7x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20094</p>
	<p>2LINE MFC glass fibre expansion HD L (V-base) Universal mounting plate for HD modules, left side fibre routing and cable management incl. V-base and cable support plate, dummy plates Capacity 18U up to 1,296 ports Material: stainless steel Dimensions W [mm]: 700, 5WU <u>Entry place in the floor area (7x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20750</p>
	<p>2LINE MFC glass fibre expansion HD L Universal mounting plate for HD modules, left side fibre routing and cable management incl. base and cable support plate Capacity 18U up to 1,296 ports Material: stainless steel Dimensions W [mm]: 420, 3WU</p> <p><i>Note: only in combination with glass fibre extension</i></p>	<p>20095</p>



Product illustration	Description	Order number
	<p>2LINE MFC glass fibre expansion ST (V-base) Universal mounting plate for ST modules fibre routing and cable management incl. V-base and cable support plate, dummy plates Capacity 18U up to 864 ports Material: stainless steel Dimensions W [mm]: 700, 5WU</p> <p><u>Entry place in the floor area (7x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20327</p>
	<p>2LINE MFC glass fibre expansion ST L (V-base) Universal mounting plate for ST modules, left side fibre routing and cable management incl. V-base and cable support plate, dummy plates Capacity 18U up to 864 ports Material: stainless steel Dimensions W [mm]: 700, 5WU</p> <p><u>Entry place in the floor area (7x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20751</p>
	<p>2LINE MFC glass fibre expansion ST L Universal mounting plate for ST modules, left side fibre routing and cable management incl. base and cable support plate Capacity 18U up to 864 ports Material: stainless steel Dimensions W [mm]: 420, 3WU</p> <p><i>Note: only in combination with glass fibre extension</i></p>	<p>20446</p>

Product illustration	Description	Order number
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	<p>2LINE MFC 19" expansion C-rails for 19" components incl. base plate with blind plates Capacity 22U according to 19" standard Material: stainless steel Dimensions W [mm]: 560, 4WU <u>Entry place in the floor area (17x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20096</p>
	<p>2LINE MFC 19" expansion (2x V-base) C-rails for 19" components incl. base plate with blind plates Capacity 22U according to 19" standard Material: stainless steel Dimensions W [mm]: 420, 3WU <u>Entry place in the floor area (9x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p> <p><i>Use in MFC 18 with 2x fibre optic extension!</i></p>	<p>20849</p>

Product illustration	Description	Order number
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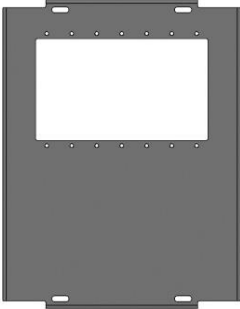
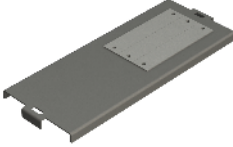
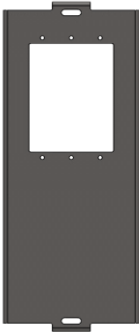
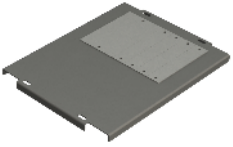
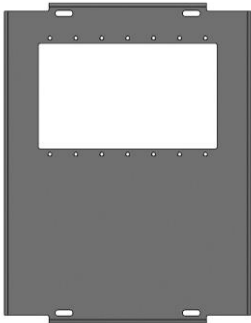
	<p>2LINE MFC ETSI expansion C-rails for ETSI components incl. base plate with blind plates max. installation height 1000mm max. 19x components with 25mm perforation spacing Material: stainless steel Dimensions W [mm]: 560, 4WU Entry place in the floor area (17x1-fold):</p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20097</p>
	<p>2LINE MFC ETSI expansion (2x V-base) C-rails for ETSI components incl. base plate with blind plates max. installation height 1000mm max. 19x components with 25mm perforation spacing Material: stainless steel Dimensions W [mm]: 420, 3WU Entry place in the floor area (9x1-fold):</p>  <p><i>Note: Please note the configuration of cable bushings. Use in MFC 18 with 2x fibre optic extension!</i></p>	<p>21270</p>
	<p>2LINE MFC RGB cable management Shunting assembly incl. 6x diverting drums Base plate incl. dummy plates Dimensions W[mm]: 140, 1WU</p>	<p>on request</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE MFC PSU mounting plate with various threaded holes for mounting of required components (unit without power supply unit)</p>	<p>21419</p>
	<p>2LINE MFC cover KAP for 2LINE fibre optic installation for cover and protection of the fibre bundles on the cable support plate Material: stainless steel Dimensions HxWxD [mm]: 83x365x242 incl. 2x wing nut</p>	<p>20656</p>

Product illustration	Description	Order number
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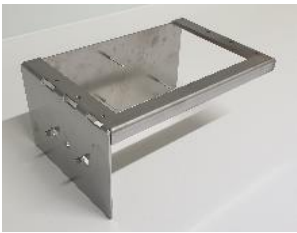
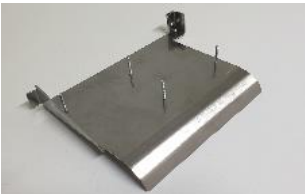
	<p>2LINE MFC PSU expansion Power supply unit for installation in the MFC Dimensions: HxW [mm] 960x300</p> <p>Interior fittings (example): Material: stainless steel, plastic, electric pre-assembled on mounting plate Meter housing (according to VDE AR 4102 / 5.3) House junction box Spelsberg Machine housing 2x6 TE 1x overvoltage protection 1x main switch 2x circuit breaker B 20A, 1 pole 2x circuit breaker B 16A, 1 pole</p> <p>further configurations</p>	<p>on request</p> <p>on request</p>
	<p>2LINE MFC PSU expansion G Power supply unit in separate housing with base Outdoor housing RAL 7038, IP54 Material: Gas fibre reinforced polycarbonate Dimensions: HxWxD [mm] 998x442x310</p> <p>Interior fittings (example): Material: stainless steel, plastic, electric pre-assembled on mounting plate Meter housing (according to VDE AR 4102 / 5.3) House junction box Spelsberg Machine housing 2x6 TE 1x overvoltage protection 1x main switch 2x circuit breaker B 20A, 1 pole 2x circuit breaker B 16A, 1 pole</p> <p>further configurations</p>	<p>on request</p> <p>on request</p>

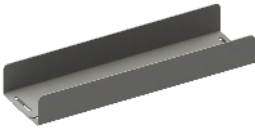


Product illustration	Description	Order number
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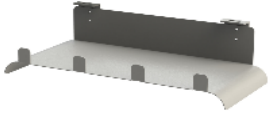
	<p>2LINE MFC LSA expansion</p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20464</p>
	<p>2LINE MFC filling plate narrow Base filling plate, incl. dummy plates Material: stainless steel Dimensions LxW [mm]: 360x135, 1WU <u>Entry place in the floor area (3x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20103</p>
	<p>2LINE MFC filling plate wide Base filling plate, incl. dummy plates Material: stainless steel Dimensions LxW [mm]: 360x275, 2WU <u>Entry place in the floor area (7x1-fold):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20102</p>

Product illustration	Description	Order number
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Accessories 2LINE MFC

	<p>2LINE MFC heat exchanger Nominal voltage 48V DC Power consumption 77W Air cooling capacity approx. 60W/K</p>	<p>20112</p>
	<p>2LINE MFC splitter holder frame incl. mounting material Possibility to accommodate max. 4x splitter and 3x splitter holders art. 20105 Splitter dimensions: HxWxD [mm] 80x100x10 Material: stainless steel</p>	<p>20448</p>
	<p>2LINE MFC splitter holder frame, left side incl. mounting material Possibility to accommodate max. 4x splitter and 3x splitter holders left side art. 20108 Splitter dimensions: HxWxD [mm] 80x100x10 Material: stainless steel</p>	<p>20767</p>
	<p>2LINE MFC splitter holder incl. mounting material Possibility to accommodate max. 4x splitter Splitter dimensions: HxWxD [mm] 80x100x10 Material: stainless steel</p>	<p>20105</p>
	<p>2LINE MFC splitter holder, left side incl. mounting material Possibility to accommodate max. 4x splitter Splitter dimensions: HxWxD [mm] 80x100x10 Material: stainless steel</p>	<p>20708</p>
	<p>2LINE MFC 4U splitter tray incl. mounting material to accommodate max. 16 splitter holders art. 20544 Steel plate dip primed and powder-coated RAL 7035</p> <p><i>Possible installation in 2LINE MFG fibre optic extension 20094 and 20327</i></p> <p>Required height unit: 3HE</p>	<p>20622</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE MFC splitter holder for 4U incl. mounting material Possibility to accommodate max. 4x splitter Splitter dimensions: HxWxD [mm] 80x100x10 Material: stainless steel</p>	<p>20544</p>
	<p>2LINE MFC battery panel for storage, split incl. mounting material Material: stainless steel</p>	<p>20106</p>
	<p>2LINE MFC vertical pipe support Angled mounting rails for pipe support incl. mounting material Material: stainless steel Dimensions LxW [mm]: 450x80</p>	<p>20390</p>
	<p>2LINE MFC horizontal pipe support Angled mounting rails for pipe support incl. mounting material Material: stainless steel Dimensions LxW [mm]: 450x80</p>	<p>20397</p>
	<p>2LINE MFC door contact switch</p>	<p>20109</p>
	<p>2LINE MFC interior lighting LED lamp with 19" mounting, magnetic</p>	<p>20110</p>
	<p>2LINE MFC swing handle double lock Possibility of installing two locks</p>	<p>20111</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE 19" socket strip 9-fold without switch</p>	<p>20804</p>
	<p>2LINE MFC 2U bridge channel for transfer of patch cables from left to right bay Material: stainless steel</p>	<p>20970</p>
	<p>2LINE MFC deep ground rod Galvanised rod earth electrode Length: 2,0m</p>	<p>20842</p>
	<p>2LINE 19" 1U cable management panel incl. 5x double bracket 75mm</p>	<p>21733</p>

MFC 8	1	2	3	4	5	6	6 Width units 840 [mm] Total							
	140	140	140	140	140	140								
MFC 12	1	2	3	4	5	6	7	8	9	9 Width units 1260 [mm] Total				
	140	140	140	140	140	140	140	140	140					
MFC 15	1	2	3	4	5	6	7	8	9	10	11	11 Width units 1540 [mm] Total		
	140	140	140	140	140	140	140	140	140	140	140			
MFC 18	1	2	3	4	5	6	7	8	9	10	11	12	13	13 Width units 1820 [mm] Total
	140	140	140	140	140	140	140	140	140	140	140	140	140	

The dividing units of the respective assemblies are always viewed from above with a view to the base plate

Glass fibre expansion (V-base) 700		5 Width units (WU) 0 [mm] Total
Glass fibre expansion left (V-base) 700		5 Width units (WU) 0 [mm] Total
Glass fibre expansion Left 420		3 Width units (WU) 420 [mm] Total
19" expansion 420		3 Width units (WU) 420 [mm] Total
ETSI expansion 420		3 Width units (WU) 420 [mm] Total
19" expansion 560		4 Width units (WU) 560 [mm] Total
ETSI expansion 560		4 Width units (WU) 560 [mm] Total
PSU 280	<i>The abbreviation PSU stands for power supply unit</i>	2 Width units (WU) 280 [mm] Total
PSU 140	<i>The abbreviation PSU stands for power supply unit</i>	1 Width units (WU) 140 [mm] Total
Copper 280	<i>Our mounting plate (rod rail) support all common systems</i>	2 Width units (WU) 280 [mm] Total
KM 140	<i>The abbreviation KM stands for cable management.</i>	1 Width units (WU) 140 [mm] Total
FP2 280	<i>FP stands for filling plate (wide)</i>	2 Width units (WU) 280 [mm] Total
FP1 140	<i>FP stands for filling plate (narrow)</i>	1 Width units (WU) 140 [mm] Total

WU = width units

MFC 8						WU
1	2	3	4	5	6	
140	140	140	140	140	140	840
Glass fibre expansion 700					FP1	140
FP1	19" expansion			FP1		
140	560			140		
19" expansion				FP2		
560				280		
PSU	19" expansion					
280	560					

MFC 12									WU
1	2	3	4	5	6	7	8	9	
140	140	140	140	140	140	140	140	140	1260
PSU	19" expansion			FP1	Copper				
280	560			140	280				
Glass fibre expansion (V-base) 700				19" expansion					
				560					
Glass fibre expansion (V-base) 700				Glass fibre expansion Left 420			FP1		
							140		
PSU	Copper	FP1	19" expansion						
280	280	140	560						

WU= width units

MFC 15											WU
1	2	3	4	5	6	7	8	9	10	11	1540
140	140	140	140	140	140	140	140	140	140	140	
PSU 280	19" expansion 560				Glass fibre expansion (V-base) 700						
Glass fibre expansion (V-base) 700					FP1 140	Glass fibre expansion 700					
PSU 280	19" expansion 560				FP1 140	19" expansion 560					
Glass fibre expansion (V-base) 700					FP1 140	FP2 280	FP2 280	FP1 140			

MFC 18													WU
1	2	3	4	5	6	7	8	9	10	11	12	13	1820
140	140	140	140	140	140	140	140	140	140	140	140	140	
Glass fibre expansion (V-base) 700					19" expansion 560				19" expansion 560				
PSU 280	Glass fibre expansion (V-base) 700					19" expansion 560				Copper 280			
Glass fibre expansion (V-base) 700					Glass fibre expansion (V-base) 700					Glass fibre expansion Left 420			
Glass fibre expansion (V-base) 700					Glass fibre expansion Links 420			19" expansion 560			FP1 140		
Glass fibre expansion (V-base) 700					FP1 140	KM 140	FP1 140	Glass fibre expansion (V-base) 700					
Glass fibre expansion 700					19" expansion 420			Glass fibre expansion L (V-base) 700					
Glass fibre expansion 700					ETSI expansion 420			Glass fibre expansion L (V-base) 700					

Product illustration	Description	Order number
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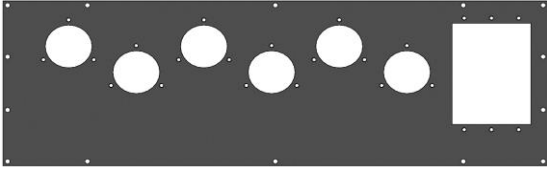
2LINE NVt 81

	<p>2LINE NVt 81 complete 2D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x442x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 2 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 60 resting places Cassette 4mm crimp max. 720 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 48x7mm or 24x10mm micro tubes Access: 3,5-20mm</p> <p>Base for NVt 81 with support tube incl. predetermined breaking technique Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x442x284</p> <p><u>Entry place in the floor area:</u></p>  <p>Note: Please note the configuration of cable bushings.</p>	<p>21795</p>
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Product illustration	Description	Order number
	<p>2LINE NVt 81 housing 2D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x442x310 Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 2 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 60 resting places Cassette 4mm crimp max. 720 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 48x7mm or 24x10mm micro tubes Access: 3,5-20mm</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21796</p>
	<p>2LINE NVt 81 base Base for NVt 81 with support tube incl. nominal fracture technology Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x442x284</p>	<p>20126</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE NVt 82

	<p>2LINE NVt 82 complete 6D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x754x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 6 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 144 resting places Cassette 4mm crimp max. 1,728 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 144x7mm or 72x10mm micro tubes Access: 3,5-20mm</p> <p>Base for NVt 82 with support tube incl. predetermined breaking technique Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x754x284</p> <p><u>Entry place in the floor area:</u></p>  <p>Note: Please note the configuration of cable bushings.</p>	<p>20904</p>
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Product illustration	Description	Order number
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	<p>2LINE NVt 82 complete 8D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x754x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 8 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 144 resting places Cassette 4mm crimp max. 1,728 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 192x7mm or 96x10mm micro tubes Access: 3,5-20mm</p> <p>Base for NVt 82 with support tube incl. predetermined breaking technique Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x754x284 Entry place in the floor area:</p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20906</p>
	<p>2LINE NVt 82 housing 6D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x754x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 6 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 144 resting places Cassette 4mm crimp max. 1,728 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 144x7mm or 72x10mm micro tubes Access: 3,5-20mm</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21446</p>


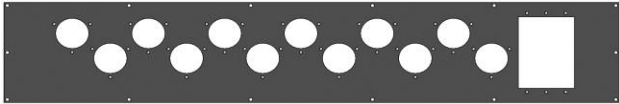
Product illustration	Description	Order number
	<p>2LINE NVt 82 housing 8D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x754x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 8 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 144 resting places Cassette 4mm crimp max. 1,728 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 192x7mm or 96x10mm micro tubes Access: 3,5-20mm</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21447</p>
	<p>2LINE NVt 82 base Base for NVt 82 with support tube incl. nominal fracture technology Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x754x284</p>	<p>20127</p>

Product illustration	Description	Order number
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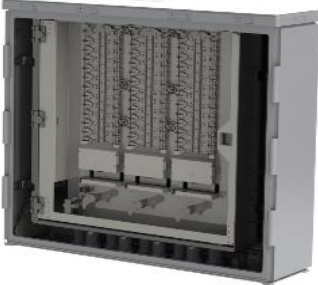
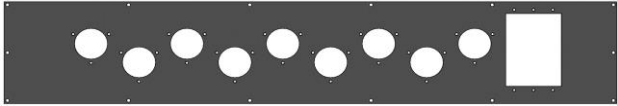
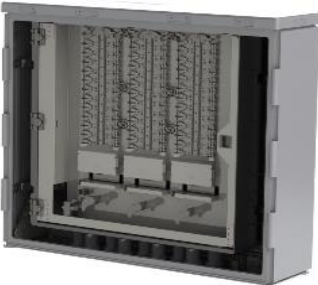
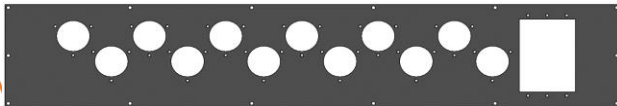
2LINE NVt 83


	<p>2LINE NVt 83 complete 9D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x1131x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 9 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 216 resting places Cassette 4mm crimp max. 2,592 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 216x7mm or 108x10mm micro tubes Access: 3,5-20mm</p> <p>Base for NVt 83 with support tube incl. predetermined breaking technique Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x1131x284</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>20933</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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	<p>2LINE NVt 83 complete 12D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x1131x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 12 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 216 resting places Cassette 4mm crimp max. 2,592 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 288x7mm or 144x10mm micro tubes Access: 3,5-20mm</p> <p>Base for NVt 83 with support tube incl. predetermined breaking technique Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x1131x284</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21448</p>
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Product illustration	Description	Order number
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	<p>2LINE NVt 83 housing 9D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x1131x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 9 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 216 resting places Cassette 4mm crimp max. 2,592 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 216x7mm or 108x10mm micro tubes Access: 3,5-20mm</p> <p><u>Entry place in the floor area:</u></p>  <p><i>Note. Please note the configuration of cable bushings.</i></p>	<p>21449</p>
	<p>2LINE NVt 83 housing 12D Outdoor housing RAL 7038, IP54 Door with swivel lever prepared for installation of a profile half cylinder Material: Glass fibre reinforced polycarbonate Impact strength IK10 Dimensions: HxWxD [mm] 998x1131x310</p> <p>Interior fittings swivel door for splice area Inside rear panel for storing excess cable lengths Base plate with 12 feed-throughs for tube assemblies and additional cable bushings 2LINE cassette module with max. 216 resting places Cassette 4mm crimp max. 2,592 splices (not included) Cable fixation diameter 1,5 - 2,6mm Material: aluminium/plastic Outlet: 288x7mm or 144x10mm micro tubes Access: 3,5-20mm</p> <p><u>Entry place in the floor area:</u></p> 	<p>21450</p>


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE NVt 83 base Base for NVt 83 with support tube incl. nominal fracture technology Material: Glass fibre reinforced polycarbonate Dimensions: HxWxD [mm] 1060x1131x284</p>	<p>20128</p>

Product illustration	Description	Order number
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Accessories NVt


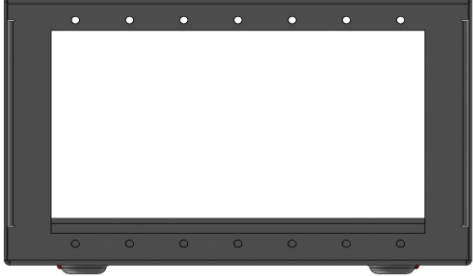
	<p>2LINE ARV 24/7 GC Single-pull sealing for tubes 24xØ7mm Material PVC-U/PPO, color black</p> <p><i>suitable for base plate NVt expansion 4/ 6/ 9</i></p>	<p>20328</p>
	<p>2LINE ARV 12/10 GC Single-pull sealing for tubes 24xØ10mm Material PVC-U/PPO, color black</p> <p><i>suitable for base plate NVt expansion 4/ 6/ 9</i></p>	<p>20640</p>
	<p>2LINE ARV 5/14 GC Single-pull sealing for tubes 5xØ14mm Material PVC-U/PPO, color black</p> <p><i>suitable for base plate NVt expansion 4/ 6/ 9</i></p>	<p>20818</p>
	<p>2LINE ARV 4/16 GC Single-pull sealing for tubes 4xØ16mm Material PVC-U/PPO, color black</p> <p><i>suitable for base plate NVt expansion 4/ 6/ 9</i></p>	<p>21384</p>

Product illustration	Description	Order number
	<p>2LINE ARV 24/7 FF Single-pull sealing for tubes 24xØ7mm incl. half shells + locking wedges</p> <p><i>suitable for all base plates 2LINE NVt</i></p>	<p>20130</p>
	<p>2LINE ARV 14/10 FF for tubes 14xØ10mm (suitable for 12xØ10mm) incl. half shells + locking wedges</p> <p><i>suitable for all base plates 2LINE NVt</i></p>	<p>20131</p>
	<p>2LINE ARV 7/14 FF for tubes 7xØ14mm (suitable for 12xØ10mm) incl. half shells + locking wedges</p> <p><i>suitable for all base plates 2LINE NVt</i></p>	<p>21385</p>
	<p>2LINE ARV 4/16 FF for tubes 4xØ16mm (suitable for 12xØ10mm) incl. half shells + locking wedges</p> <p><i>suitable for all base plates 2LINE NVt</i></p>	<p>21201</p>
	<p>2LINE ARV 9/12 FF for tubes 9xØ12mm (suitable for 12xØ10mm) incl. half shells + locking wedges</p> <p><i>suitable for all base plates 2LINE NVt</i></p>	<p>21028</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE cable fixation clip for fixing an access cable incl. mounting material</p> <p>(PU: 1 pcs.)</p>	<p>21078</p>
	<p>2LINE NVt deep ground rod incl. depth earth rod tip (striking tip) Depth earth rod connection clamp (for connection of earth rod and strip or round steel) Length: 1.5m</p>	<p>21653</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE COB size S

	<p>2LINE COB size S Splice/patch wall distributor, IP54 incl. lid with lock and two keys for 1-row cassette system max. 360 splices and application possibility of patch fields up to max. 24 couplings Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 540x265x160 <u>Optional:</u></p> <ul style="list-style-type: none"> - Splice cassettes - Couplings/pigtails - Patch field - Central element support <p><u>Entry point in the floor area (7x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21508</p>
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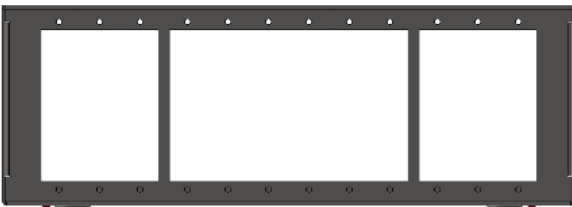

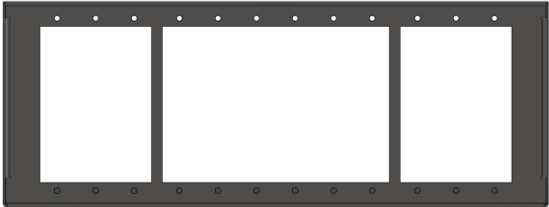
Product illustration	Description	Order number
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2LINE COB size S accessories

	<p>2LINE COB size S KH 12 Coupling holder for max. 12 couplings</p>	<p>21529</p>
	<p>2LINE COB size S KH 12 BK Coupling holder for max. 12 couplings incl. bending radius control for outgoing patch cables</p>	<p>21582</p>
	<p>2LINE COB size S KH 24 Coupling holder for max. 24 couplings</p>	<p>21538</p>
	<p>2LINE COB size S KH 24 BK Coupling holder for max. 24 couplings incl. bending radius control for outgoing patch cables</p>	<p>21581</p>


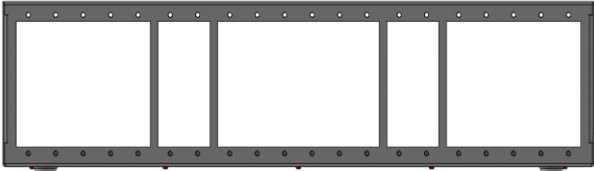
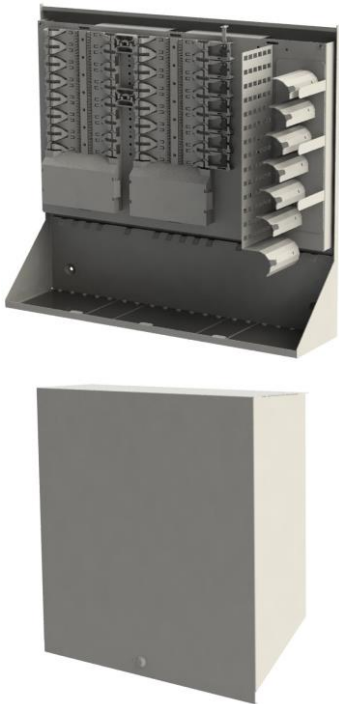
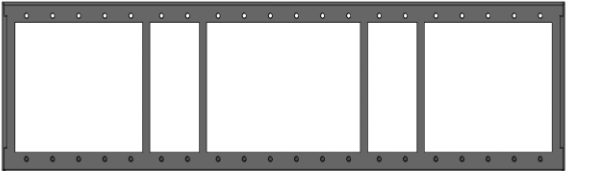
Product illustration	Description	Order number
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2LINE COB size M

	<p>2LINE COB size M (D) Splice wall distributor, IP54 incl. lid with lock and two keys max. 2-row 2LINE cassette system max. 720 splices (crimp) Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 540x425x160 <u>Optional:</u> - Splice cassettes - Central element support</p> <p><u>Entry point in the floor area (12x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21509</p>
	<p>2LINE COB size M (SP) Wall distributor, IP54 incl. lid with lock and two keys max. 1-row cassette system max. 360 splices (crimp) and patch field for 60 couplings Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 540x425x160 <u>Optional:</u> - Splice cassettes - Couplings/pigtails - Central element support</p> <p><u>Entry point in the floor area (12x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21511</p>


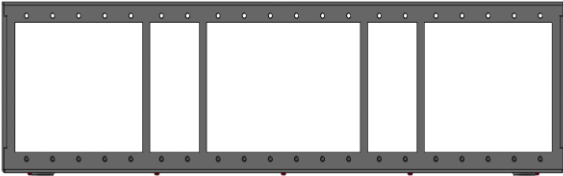
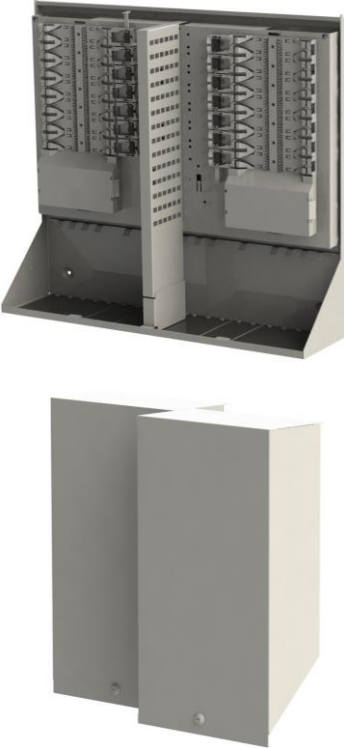
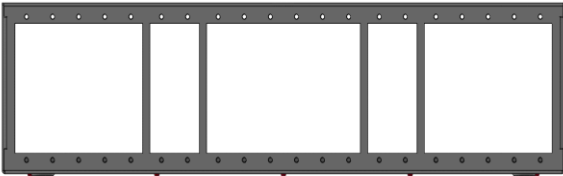
Product illustration	Description	Order number
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2LINE COB size L

	<p>2LINE COB size L (D) Splice wall distributor, IP54 incl. lid with lock and two keys max. 3-row cassette system max. 1,512 splices (crimp) Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 617x640x160 <u>Optional:</u> - Splice cassettes - Central element support</p> <p><u>Entry point in the floor area (20x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21512</p>
	<p>2LINE COB size L (SP1) Splice/patch wall distributor, IP54 incl. lid with lock and two keys max. 2-row cassette system max. 1,008 splices and patch field for 84 couplings (On the left and in the middle cassette system, on the right patch field) Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 617x640x160 <u>Optional:</u> - Splice cassettes - Couplings/pigtails - Central element support</p> <p><u>Entry point in the floor area (20x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21513</p>

Product illustration	Description	Order number
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2LINE COB size L

	<p>2LINE COB size L (SP2)</p> <p>Splice/patch wall distributor, IP54 incl. lid with lock and two keys max. 2-row cassette system max. 1,008 splices and patch field for 84 couplings (On the left and on the right cassette system, in the middle patch field) Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 617x640x160 <u>Optional:</u></p> <ul style="list-style-type: none"> - Splice cassettes - Couplings/pigtails - Central element support <p><u>Entry point in the floor area (20x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21514</p>
	<p>2LINE COB size L (2H)</p> <p>Splice/patch wall distributor, IP54 incl. lid and different locks with two keys each for two separate entry points max. 2-row cassette system max. 1,008 splices and patch field for 84 couplings Mounting option of an integrated central element support incl. loose tube excess length deposit, loop possibility, wall mounting screws Material: Steel plate coated RAL7035 Dimensions HxWxD [mm]: 617x640x160 <u>Optional:</u></p> <ul style="list-style-type: none"> - Splice cassettes - Couplings/pigtails - Central element support <p><u>Entry point in the floor area (20x1x):</u></p>  <p><i>Note: Please note the configuration of cable bushings.</i></p>	<p>21497</p>


<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE Iris⁺ BOX

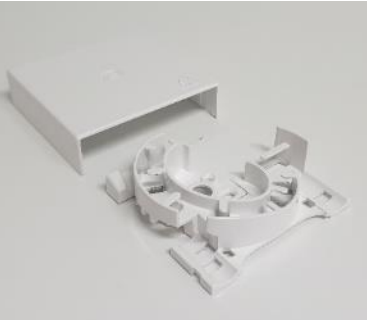
	<p>2LINE Iris⁺ BOX Subscriber connection box max. 2 couplings Protection class IP40, impact resistance grade IK07, incl. splice holder max. 8x crimp or 4x shrink 1x cable entry grommet with membrane (max.Ø7mm) (micro conduit up to Ø10mm) 1x cable tie 1x safety adhesive strip 1x transparent disc + label 4x M3,5x6 screw for aramid yarn 1x Torx screw M4x6 incl. nut incl. wall mounting material Material: PC/ABS, color: 9003 Dimensions HxWxD [mm]: 120x80x25</p> <p>Translated with www.DeepL.com/Translator (free version)</p> <p>including couplings and yellow pigtails Grade B (enclosed) fibre type G.657.A1</p> <p>with crimp splice holder:</p> <table border="1" data-bbox="523 1048 1168 1292"> <tr> <td>1 coupling LC/APC dx, 1 pigtail LC/APC</td> <td>21854</td> </tr> <tr> <td>1 coupling LC/APC dx, 2 pigtails LC/APC</td> <td>21855</td> </tr> <tr> <td>2 couplings LC/APC dx, 3 pigtails LC/APC</td> <td>21856</td> </tr> <tr> <td>2 couplings LC/APC dx, 4 pigtails LC/APC</td> <td>21857</td> </tr> <tr> <td>1 coupling SC/APC, 1 pigtail SC/APC</td> <td>21858</td> </tr> <tr> <td>2 couplings SC/APC, 2 pigtails SC/APC</td> <td>21859</td> </tr> </table>	1 coupling LC/APC dx, 1 pigtail LC/APC	21854	1 coupling LC/APC dx, 2 pigtails LC/APC	21855	2 couplings LC/APC dx, 3 pigtails LC/APC	21856	2 couplings LC/APC dx, 4 pigtails LC/APC	21857	1 coupling SC/APC, 1 pigtail SC/APC	21858	2 couplings SC/APC, 2 pigtails SC/APC	21859	<p>21844</p>
1 coupling LC/APC dx, 1 pigtail LC/APC	21854													
1 coupling LC/APC dx, 2 pigtails LC/APC	21855													
2 couplings LC/APC dx, 3 pigtails LC/APC	21856													
2 couplings LC/APC dx, 4 pigtails LC/APC	21857													
1 coupling SC/APC, 1 pigtail SC/APC	21858													
2 couplings SC/APC, 2 pigtails SC/APC	21859													

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE Athene BOX


	<p>2LINE Athene BOX Termination point/ subscriber connection box max. 3 couplings and 6 splice connections, IP20 1x splice holder á 12x crimp or 6x shrink 1x cable entry grommet with membrane (max. Ø7mm) (Micro tube up to Ø10mm) 1x cable tie 1x assembly instruction incl. wall mounting material Material: PC/ABS, colour: 9003 Dimensions HxWxD [mm]: 135x96x27</p> <p><i>including couplings and yellow pigtails Grade B (enclosed) fibre type G.657.A1</i></p> <p>with crimp splice holder:</p> <p>1 coupling LC/APC dx, 1 pigtail LC/APC 1 coupling LC/APC dx, 2 pigtails LC/APC 2 couplings LC/APC dx, 3 pigtails LC/APC 2 couplings LC/APC dx, 4 pigtails LC/APC 3 couplings LC/APC dx, 5 pigtails LC/APC 3 couplings LC/APC dx, 6 pigtails LC/APC</p> <p>1 coupling SC/APC, 1 pigtail SC/APC 2 couplings SC/APC, 2 pigtails SC/APC 3 couplings SC/APC, 3 pigtails SC/APC</p> <p>with shrink splice holder:</p> <p>2LINE Athene BOX (s)</p> <p>1 coupling LC/APC dx, 1 pigtail LC/APC 1 coupling LC/APC dx, 2 pigtails LC/APC 2 couplings LC/APC dx, 3 pigtails LC/APC 2 couplings LC/APC dx, 4 pigtails LC/APC 3 couplings LC/APC dx, 5 pigtails LC/APC 3 couplings LC/APC dx, 6 pigtails LC/APC</p> <p>1 coupling SC/APC, 1 pigtail SC/APC 2 couplings SC/APC, 2 pigtails SC/APC 3 couplings SC/APC, 3 pigtails SC/APC</p>	<p>21066</p> <p>21067</p> <p>21068</p> <p>21069</p> <p>21070</p> <p>21071</p> <p>21072</p> <p>21247</p> <p>21188</p> <p>21248</p> <p>21717</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>on request</p> <p>21187</p>
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2LINE Athene KÜB

	<p>2LINE Athene KÜB Cable excess length box can be used in combination with 2LINE Athene - BOX mini (Micro tube up to Ø10mm) 2x cable ties incl. wall mounting material Material: PC/ABS, colour: 9003 Dimensions HxWxD [mm]: 90x96x27</p>	<p>21073</p>
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<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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2LINE Hermes BOX

	<p>2LINE Hermes BOX Termination point max. 6 couplings and 12 splice connections, IP54, sealable 1x splice holders á 12x crimp or 6x shrink 1x cable entry grommet with membrane (max. Ø12mm) 1x cable tie 2x M4x10 closing screw Torx 6x blind cover 1x assembly instruction incl. wall mounting material Material: PC/ABS, colour: 9003 Dimensions HxWxD [mm]: 235x172x36mm</p> <p>including couplings and yellow pigtails Grade B (enclosed) fibre type G.657.A1</p> <p>with crimp splice holder:</p>	<p>21109</p>
	<p>1 coupling LC/APC dx, 1 pigtail LC/APC</p>	<p>21113</p>
	<p>1 coupling LC/APC dx, 2 pigtails LC/APC</p>	<p>21114</p>
	<p>2 couplings LC/APC dx, 3 pigtails LC/APC</p>	<p>21115</p>
	<p>2 couplings LC/APC dx, 4 pigtails LC/APC</p>	<p>21116</p>
	<p>3 couplings LC/APC dx, 5 pigtails LC/APC</p>	<p>21117</p>
	<p>3 couplings LC/APC dx, 6 pigtails LC/APC</p>	<p>21118</p>
	<p>4 couplings LC/APC dx, 7 pigtails LC/APC</p>	<p>21119</p>
	<p>4 couplings LC/APC dx, 8 pigtails LC/APC</p>	<p>21120</p>
	<p>5 couplings LC/APC dx, 9 pigtails LC/APC</p>	<p>21121</p>
	<p>5 couplings LC/APC dx, 10 pigtails LC/APC</p>	<p>21122</p>
	<p>6 couplings LC/APC dx, 11 pigtails LC/APC</p>	<p>21123</p>
	<p>6 couplings LC/APC dx, 12 pigtails LC/APC</p>	<p>21124</p>
	<p>1 coupling SC/APC, 1 pigtail SC/APC</p>	<p>21249</p>
	<p>2 couplings SC/APC, 2 pigtails SC/APC</p>	<p>21250</p>
	<p>3 couplings SC/APC, 3 pigtails SC/APC</p>	<p>21251</p>
	<p>4 couplings SC/APC, 4 pigtails SC/APC</p>	<p>21193</p>
	<p>5 couplings SC/APC, 5 pigtails SC/APC</p>	<p>21252</p>
	<p>6 couplings SC/APC, 6 pigtails SC/APC</p>	<p>21253</p>
	<p>with shrink splice holder:</p> <p>2LINE Hermes BOX (s)</p>	<p>21718</p>
	<p>1 coupling LC/APC dx, 1 pigtail LC/APC</p>	<p>on request</p>
	<p>1 coupling LC/APC dx, 2 pigtails LC/APC</p>	<p>on request</p>
	<p>2 couplings LC/APC dx, 3 pigtails LC/APC</p>	<p>on request</p>
	<p>2 couplings LC/APC dx, 4 pigtails LC/APC</p>	<p>on request</p>
	<p>3 couplings LC/APC dx, 5 pigtails LC/APC</p>	<p>on request</p>
	<p>3 couplings LC/APC dx, 6 pigtails LC/APC</p>	<p>on request</p>
	<p>4 couplings LC/APC dx, 7 pigtails LC/APC</p>	<p>on request</p>
<p>4 couplings LC/APC dx, 8 pigtails LC/APC</p>	<p>on request</p>	
<p>5 couplings LC/APC dx, 9 pigtails LC/APC</p>	<p>on request</p>	
<p>5 couplings LC/APC dx, 10 pigtails LC/APC</p>	<p>on request</p>	
<p>6 couplings LC/APC dx, 11 pigtails LC/APC</p>	<p>on request</p>	
<p>6 couplings LC/APC dx, 12 pigtails LC/APC</p>	<p>on request</p>	
<p>1 coupling SC/APC, 1 pigtail SC/APC</p>	<p>on request</p>	
<p>2 couplings SC/APC, 2 pigtails SC/APC</p>	<p>on request</p>	
<p>3 couplings SC/APC, 3 pigtails SC/APC</p>	<p>on request</p>	
<p>6 couplings SC/APC, 6 pigtails SC/APC</p>	<p>21189</p>	

Product illustration	Description	Order number
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2LINE Couplings and pigtails

LC



	<p>2LINE Coupling LC/APC dx Duplex coupling without flange</p>	<p>21475</p>
	<p>2LINE PIG set of 1 LC/APC B LC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour: yellow 1 set: 1 fibre</p>	<p>21458</p>
	<p>2LINE PIG set of 4 LC/APC B LC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour: yellow 1 set: 4 fibres</p>	<p>21161</p>
	<p>2LINE PIG set of 12 LC/APC B LC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour: DIN colour code 1 set: 12 fibres</p>	<p>21407</p>

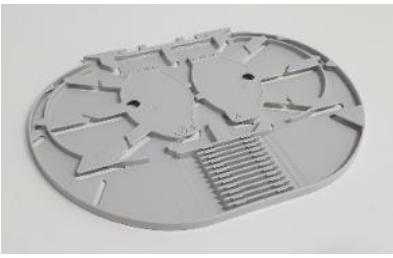
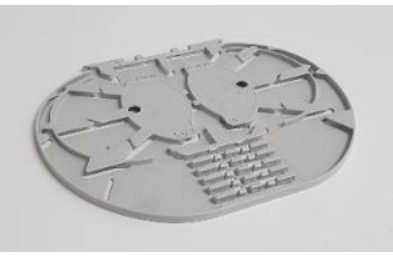

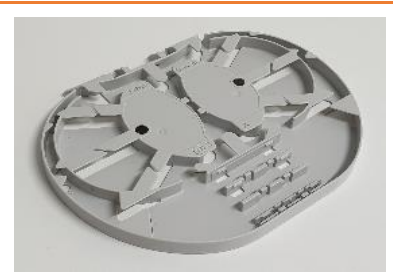

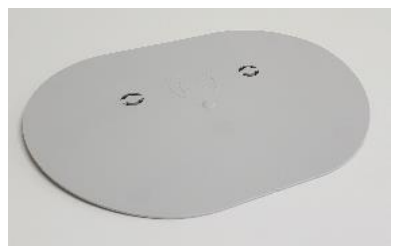
<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
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SC

	<p>2LINE Coupling SC/APC sx Simplex coupling without flange</p>	<p>20460</p>
	<p>2LINE PIG set of 1 SC/APC B SC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour: yellow 1 set: 1 fibre</p>	<p>21426</p>
	<p>2LINE PIG set of 3 SC/APC B SC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour yellow 1 set: 3 fibres</p>	<p>on request</p>
	<p>2LINE PIG set of 12 SC/APC B SC/APC pigtail, 2m, 900µm fibre: G657.A1 8° Colour: DIN colour code 1 set: 12 fibres</p>	<p>on request</p>

E2000

	<p>2LINE Coupling E2000 HS dx Huber & Suhner duplex coupling without flange</p>	<p>on request</p>
	<p>2LINE PIG set of 12 E2000 HS B E2000 pigtail Huber & Suhner, 2m, 900µm fibre: G657.A1 8° Colour: DIN colour code 1 set: 12 fibres</p>	<p>on request</p>

Product illustration	Description	Order number
	<p>2LINE SKS 4 12C Splice cassette 4mm, 12x crimp 1 resting place</p> <p><u>PU: 6 pieces</u></p>	<p>20868</p>
	<p>2LINE SKS 4 6S Splice cassette 4mm, 6x shrink 1 resting place</p> <p><u>PU: 6 pieces</u></p>	<p>20871</p>
	<p>2LINE SKS 8 12S Splice cassette 8mm, 12x shrink 2 resting places</p> <p><u>PU: 3 pieces</u></p>	<p>20870</p>
	<p>2LINE SKS 8 Splitter/splice cassette Splitter/splice cassette 8mm 2x crimp splice protection holder 2x splitter WxH [mm] 7x4 2 resting places</p> <p><u>PU: 3 pieces</u></p>	<p>21192</p>
	<p>2LINE SKS 8 Splitter/splice cassette incl. Splitter Splitter/splice cassette 8mm 2x crimp splice protection holder 2x splitter WxH [mm] 7x4 2 resting places</p> <p>incl. 1x splitter enclosed</p> <p><u>PU: 1 set</u></p>	<p>on request</p>
	<p>2LINE SKS cassette lid Splice cassette lid for 4mm or 8mm cassette</p> <p><u>PU: 2 pieces</u></p>	<p>20872</p>


	<p>2LINE spli PLC 1:32 EK-AP LC/APC 4,1 PLC Splitter modules for 2LINE ODF whip length: 4,1m fibre: G.657A1 9/125 with bend protection metal housing: 100x80x10mm Input: 1x LC/APC coupling Output: 32x LC/APC whips Input and output on one side</p> <p>further configurations</p>	<p>21200</p> <p>on request</p>
	<p>2LINE spli PLC 1:32 EK-AP LC/APC 1,5 PLC Splitter modules for 2LINE ODF whip length: 1,5m fibre: G.657A1 9/125 with bend protection metal housing: 100x80x10mm Input: 1x LC/APC coupling Output: 32x LC/APC whips Input and output on one side</p> <p>further configurations</p>	<p>20497</p> <p>on request</p>
	<p>2LINE SKS PLC splitter 1:32 Splitter with 250µm fibres for 2LINE SKS splitter cassette 8mm Dimensions LxW [mm]: 7x4</p>	<p>21583</p>

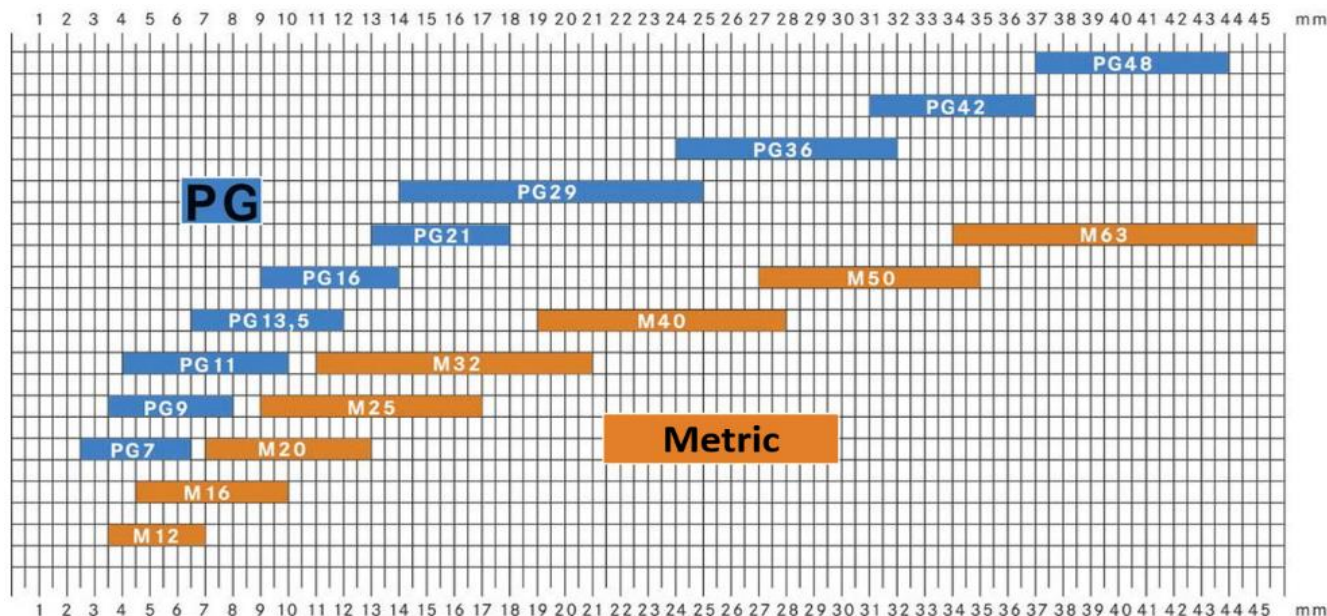
Product illustration	Description	Order number
	<p>2LINE KDF 1f blind Cable bushing system Dummy plate 1-fold</p> <p><u>PU: 1 piece</u></p>	<p>20279</p>
	<p>2LINE KDF I3-6 1f Cable bushing system Icotek diaphragm bushing plate 21x Ø3.2-6.5mm</p> <p><u>PU: 1 piece</u></p>	<p>20114</p>
	<p>2LINE KDF I1-3 2f Cable bushing system Icotek diaphragm bushing plate 119x Ø1,5-2,6mm + 2x Ø2,5-5mm</p> <p><u>PU: 1 piece</u></p>	<p>20113</p>
	<p>2LINE KDF 1f 2xM12 Cable bushing system Perforated plate 1-fold, equipped with 2x M12 cable screw connection clamping range Ø3,5-7mm</p> <p><u>PU: 1 piece</u></p>	<p>20115</p>
	<p>2LINE KDF 1f 5xM12 Cable bushing system Perforated plate 1-fold, equipped with 5x M12 cable screw connection clamping range Ø3,5-7mm</p> <p><u>PU: 1 piece</u></p>	<p>20912</p>
	<p>2LINE KDF 1f 2xM16 Cable bushing system Perforated plate 1-fold, equipped with 2xM16 cable screw connection clamping range Ø 4,5-10mm</p> <p><u>PU: 1 piece</u></p>	<p>20297</p>

<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE KDF 1f 4xM16 Cable bushing system Perforated plate 1-fold, equipped with 4xM16 cable screw connection clamping range Ø 4,5-10mm</p> <p><u>PU: 1 piece</u></p>	<p>20116</p>
	<p>2LINE KDF 1f 2xM20 Cable bushing system Perforated plate 1-fold, equipped with 2x M20 cable screw connection and clamping range Ø7-13mm incl. 2x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20339</p>
	<p>2LINE KDF 1f 3xM20 Cable bushing system Perforated plate 1-fold, equipped with 3x M20 cable screw connection clamping range Ø7-13mm incl. 3x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20603</p>
	<p>2LINE KDF 2f 4xM20 Cable bushing system Perforated plate 2-fold, equipped with 4x M20 cable screw connection clamping range Ø7-13mm incl. 4x blind screw connection</p>	<p>20385</p>
	<p>2LINE KDF 2f 2xM25 Cable bushing system Perforated plate 2-fold, equipped with 2xM25 cable screw connection clamping range Ø 9-17mm incl. 2x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20118</p>





<u>Product illustration</u>	<u>Description</u>	<u>Order number</u>
	<p>2LINE KDF 2f 3xM25 Cable bushing system Perforated plate 2-fold, equipped with 3xM25 cable screw connection clamping range Ø 9-17mm incl. 3x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20392</p>
	<p>2LINE KDF 2f 2xM32 Cable bushing system Perforated plate 2-fold, equipped with 2xM32 cable screw connection clamping range Ø 11-21mm incl. 2x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20426</p>
	<p>2LINE KDF 3f 4xM32 Cable bushing system Perforated plate 3-fold, equipped with 4xM32 cable screw connection clamping range Ø 11-21mm incl. 4x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20119</p>
	<p>2LINE KDF 2f 2xM40 Cable bushing system Perforated plate 2-fold, equipped with 2xM40 cable screw connection clamping range Ø 22-32mm incl. 2x blind screw connection</p> <p><u>PU: 1 piece</u></p>	<p>20120</p>
	<p>2LINE KDF 3f 1xM50 Cable bushing system Perforated plate 3-fold, equipped with 1x M50 cable screw connection clamping range Ø27-35mm</p> <p><u>PU: 1 piece</u></p>	<p>20121</p>

Product illustration	Description	Order number
	<p>2LINE ZAF Cable support element 2 parts, for cable Ø 1,5-5mm</p>	<p>20375</p>
	<p>2LINE ZEA with distance screw Central interception element</p> <p>PU = 6 pieces</p>	<p>20026</p>
	<p>2LINE BÜS 12 for Ø8-12mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø8 - 12 mm</p> <p>Duplex - clamping range Ø8 – 12 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20313</p> <p>on request</p>
	<p>2LINE BÜS 14 for Ø10-14mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø10 – 14 mm</p> <p>Duplex - clamping range Ø10 – 14 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20288</p> <p>on request</p>
	<p>2LINE BÜS 16 for Ø12-16mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø12 – 16 mm</p> <p>Duplex - clamping range Ø12 – 16 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20508</p> <p>on request</p>
	<p>2LINE BÜS 18 for Ø12-18mm Simplex - clamping range Ø12 – 18 mm</p> <p>Duplex - clamping range Ø12 – 18 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20477</p> <p>on request</p>


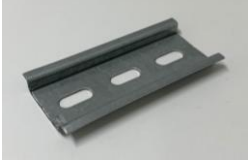
Product illustration	Description	Order number
	<p>2LINE BÜS 22 for Ø18-22mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø18 – 22 mm</p> <p>Duplex - clamping range Ø18 – 22 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20391</p> <p>on request</p>
	<p>2LINE BÜS 26 for Ø22-26mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø22 – 26 mm</p> <p>Duplex - clamping range Ø22 – 26 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20495</p> <p>on request</p>
	<p>2LINE BÜS 28 for Ø22-28mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø22 – 28 mm</p> <p>Duplex - clamping range Ø22 – 28 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20752</p> <p>on request</p>
	<p>2LINE BÜS 30 for Ø26-30mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø26 – 30 mm</p> <p>Duplex - clamping range Ø26 – 30 mm</p> <p>Packaging unit: 1 piece each</p>	<p>21669</p> <p>21670</p>
	<p>2LINE BÜS 42 for Ø38-42mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø38 – 42 mm</p> <p>Duplex - clamping range Ø38 – 42 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20525</p> <p>21392</p>
	<p>2LINE BÜS 54 for Ø46-54mm Bracket clamp with counter tray for strain relief</p> <p>Simplex - clamping range Ø46 – 54 mm</p> <p>Packaging unit: 1 piece each</p>	<p>20329</p>



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	<p>2LINE SPM multi tool application: - Locking the drawer of a 2LINE SPM - Unlocking aid for couplings and pigtails</p>	<p>21162</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Silicone spray to support the loose tube insertion in Miniflex hoses incl. spray head</p>	<p>21872</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Building key Plastic, black PU 10pcs.</p>	<p>21851</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Plastic bending controls for installation in a 2LINE ODF/MFC PU 6pcs.</p>	<p>21770</p>

 <p>Illustration may deviate from reality</p>	<p>2LINE Hexagon spanner long Length 350mm</p>	<p>21873</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Micro pipe cutter</p>	<p>21871</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Ribbon cable holder PU 10pcs.</p>	<p>21874</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE fibre stripper Wire stripper</p>	<p>21875</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Cleaner LC 1,25mm</p>	<p>21876</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Cleaner SC 2,5mm</p>	<p>21877</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Alcohol dispenser without contents</p>	<p>21879</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Cleaning wipes 1Set = 280 wipes</p>	<p>21878</p>

 <p>Illustration may deviate from reality</p>	<p>2LINE Kevlar scissors</p>	<p>21880</p>
 <p>Illustration may deviate from reality</p>	<p>2LINE Iris+ BOX Top-hat rail Length 90mm</p>	<p>21881</p>

Optical Distribution Frame

Patch cable management on the right side

for the installation of 2LINE modules

incl. wall mounting angle, mounting set, cable support plate, patch cable management

Material: Steel plate coated RAL7035, stainless steel

2LINE ODF 220 42U	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity: max. 42U up to 3,024 ports	
	article number
assembled	
2LINE ODF 220 42U A	21343
disassembled	
2LINE ODF 220 42U Z	21344
Patch cable management on the left, assembled	
2LINE ODF 220 42U AL	21351
Patch cable management on the left, disassembled	
2LINE ODF 220 42U ZL	21352

2LINE ODF 180	
Dimensions HxWxD[mm]: 1800x900x300	
Capacity: max. 33U up to 2,376 ports	
	article number
assembled	
2LINE ODF 180 A	21972
disassembled	
2LINE ODF 180 Z	21974
Patch cable management on the left, assembled	
2LINE ODF 180 AL	21973
Patch cable management on the left, disassembled	
2LINE ODF 180 ZL	21975

2LINE ODF 220 36U splitter	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity: max. 36U up to 2,592 ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs.	
	article number
assembled	
2LINE ODF 220 36U splitter A	21345
disassembled	
2LINE ODF 220 36U splitter Z	21346
Patch cable management on the left, assembled	
2LINE ODF 220 36HU splitter AL	21353
Patch cable management on the left, disassembled	
2LINE ODF 220 36U splitter ZL	21354

Optical Distribution Frame

Patch cable management on the right side

for the installation of 2LINE modules

incl. wall mounting angle, mounting set, cable support plate,
patch cable management

Material: Steel plate coated RAL7035, stainless steel

2LINE ODF 220 36U KKS at the bottom	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity max. 36U up to 2,592 Ports Possibility of installing 2LINE Cable duct system at the bottom	
article number	
assembled	
2LINE ODF 220 36U KKS at the bottom A	21347
disassembled	
2LINE ODF 220 36U KKS at the bottom Z	21348
Patch cable management on the left, assembled	
2LINE ODF 220 36U KKS at the bottom AL	21355
Patch cable management on the left, disassembled	
2LINE ODF 220 36U KKS at the bottom ZL	21356

2LINE ODF 220 30U splitter and KKS at the bottom	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity max. 30U up to 2,160 Ports Possibility of installing 2LINE splitter holders inside/outside max. 22 pcs. Possibility of installing 2LINE Cable duct system at the bottom	
article number	
assembled	
2LINE ODF 220 30U splitter and KKS at the bottom A	21349
disassembled	
2LINE ODF 220 30U splitter and KKS at the bottom Z	21350
Patch cable management on the left, assembled	
2LINE ODF 220 30U splitter and KKS at the bottom AL	21357
Patch cable management on the left, disassembled	
2LINE ODF 220 30U splitter and KKS at the bottom ZL	21358

Optical Distribution Frame

Patch cable management on the right side

for the expansion of 19" assemblies
incl. depth-adjustable 19" rails
incl. wall mounting bracket, mounting set, patch cable management

Material: Steel plate coated RAL7035, stainless steel

2LINE ODF for active technology	
Dimensions HxWxD[mm]: 2200x900x600	
Capacity: max. 42U	article number
assembled	
2LINE ODF 220 active 19" 60 A	21366
disassembled	
2LINE ODF 220 active 19" 60 Z	21367
Patch cable management on the left, assembled	
2LINE ODF 220 active 19" 60 AL	21364
Patch cable management on the left, disassembled	
2LINE ODF 220 active 19" 60 ZL	21365

2LINE ODF for active technology	
Dimensions HxWxD[mm]: 1800x900x300	
Capacity: max. 33U	article number
assembled	
2LINE ODF 180 active A	on request
disassembled	
2LINE ODF 180 active Z	on request
Patch cable management on the left, assembled	
2LINE ODF 180 active AL	on request
Patch cable management on the left, disassembled	
2LINE ODF 180 active ZL	on request

2LINE ODF for active technology	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity: max. 42U	article number
assembled	
2LINE ODF 220 active 19" 30 A	21368
disassembled	
2LINE ODF 220 active 19" 30 Z	21369
Patch cable management on the left, assembled	
2LINE ODF 220 active 19" 30 AL	21362
Patch cable management on the left, disassembled	
2LINE ODF 220 active 19" 30 ZL	21363

Optical Distribution Frame

Patch cable management on the right side

for the expansion of ETSI assemblies
incl. depth-adjustable ETSI rails,
wall mounting brackets, mounting kit,
patch cable management

Material: Steel plate coated RAL7035, stainless steel

2LINE ODF 220 Active ETSI 60	
Dimensions HxWxD[mm]: 2200x900x600	
Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters and 74U with ETSI standard	
	article number
assembled	
2LINE ODF 220 Active ETSI 60 A	21374
disassembled	
2LINE ODF 220 Active ETSI 60 Z	21375
Patch cable management on the left, assembled	
2LINE ODF 220 Active ETSI 60 AL	21372
Patch cable management on the left, disassembled	
2LINE ODF 220 Active ETSI 60 ZL	21373

2LINE ODF 220 Active ETSI 30	
Dimensions HxWxD[mm]: 2200x900x300	
Capacity: max. 37U for expansion of 2LINE modules with ETSI adapters and 74U with ETSI standard	
	article number
assembled	
2LINE ODF 220 Active ETSI 30 A	21376
disassembled	
2LINE ODF 220 Active ETSI 30 Z	21377
Patch cable management on the left, assembled	
2LINE ODF 220 Active ETSI 30 AL	21370
Patch cable management on the left, disassembled	
2LINE ODF 220 Active ETSI 30 ZL	21371

Splice/Patch Module
 Patch cable output on the right side
 fibre G657.A1, connector Grade B
 3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
 2 splice protection holders each 12xcrimp
 Outside Ø: 5mm; inside Ø: 3,3mm
 Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U HD	
Dimensions HxWxD[mm]: 44x350x280	
72 ports	article number
2LINE SPM 1U HD LC/APC B	20250
72 pigtailed LC/APC, 36 couplings LC/APCdx	

2LINE SPM 1U ST	
Dimensions HxWxD[mm]: 44x350x280	
48 ports	article number
2LINE SPM 1U ST LC/APC B	21783
48 pigtailed LC/APC, 24 couplings LC/APCdx	
2LINE SPM 1U ST SC/APC B	on request
48 pigtailed SC/APC, 48 couplings SC/APC	
2LINE SPM 1U ST E2000 HS B	20217
48 pigtailed E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner	

2LINE SPM 2U HD	
Dimensions HxWxD[mm]: 88x350x280	
144 ports	article number
2LINE SPM 2U HD LC/APC B	20251
144 pigtailed LC/APC, 72 couplings LC/APCdx	

2LINE SPM 2U ST	
Dimensions HxWxD[mm]: 88x350x280	
96 ports	article number
2LINE SPM 2U ST LC/APC B	20200
96 pigtailed LC/APC, 48 couplings LC/APCdx	
2LINE SPM 2U ST SC/APC B	on request
96 pigtailed SC/APC, 96 couplings SC/APC	
2LINE SPM 2U ST E2000 HS B	20218
96 pigtailed E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner	

2LINE SPM 3U HD	
Dimensions HxWxD[mm]: 132x350x280	
216 ports	article number
2LINE SPM 3U HD LC/APC B	20252
216 pigtailed LC/APC, 108 couplings LC/APCdx	

2LINE SPM 3U ST	
Dimensions HxWxD[mm]: 132x350x280	
144 ports	article number
2LINE SPM 3U ST LC/APC B	20201
144 pigtailed LC/APC, 72 couplings LC/APCdx	
2LINE SPM 3U ST SC/APC B	on request
144 pigtailed SC/APC, 144 couplings SC/APC	
2LINE SPM 3U ST E2000 HS B	20219
144 pigtailed E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner	

Splice/Patch Module
Patch cable output on the right side
fibre G652.D, connector Grade B
3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
2 splice protection holders each 12xcrimp
Outside Ø: 5mm; inside Ø: 3,3mm
Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U ST
Dimensions HxWxD[mm]: 44x350x280
48 ports 48 pigtails SC/APC, 48 couplings SC/APC
article number
2LINE SPM 1U ST SC/APC B 20175

2LINE SPM 2U ST
Dimensions HxWxD[mm]: 88x350x280
96 ports 96 pigtails SC/APC, 96 couplings SC/APC
article number
2LINE SPM 2U ST SC/APC B 20176

2LINE SPM 3U ST
Dimensions HxWxD[mm]: 132x350x280
144 ports 144 pigtails SC/APC, 144 couplings SC/APC
article number
2LINE SPM 3U ST SC/APC B 20177

2LINE Fanout Module FM 2LINE Splice Module SM

Fanout Module

Patch cable output on the right side
fibre G652.D, connector Grade B
3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
Loose tube feeding by means of miniflex hose
Outside Ø: 5mm; inside Ø: 3,3mm

Material: Steel plate coated RAL7035

2LINE FM 1U ST Fanout
Dimensions HxWxD[mm]: 44x350x280
48 ports 48 pigtailed LC/APC, 24 couplings LC/APC dx
article number
2LINE FM 1U ST Fanout LC/APC B
20753

2LINE FM 2U ST Fanout
Dimensions HxWxD[mm]: 88x350x280
96 ports 96 pigtailed LC/APC, 48 couplings LC/APC dx
article number
2LINE FM 2U ST Fanout LC/APC B
on request

2LINE FM 3U ST Fanout
Dimensions HxWxD[mm]: 132x350x280
144 ports 144 pigtailed LC/APC, 72 couplings LC/APC dx
article number
2LINE FM 3U ST Fanout LC/APC B
on request

Fanout Module

Patch cable output on the right side
fibre G657.A1, connector Grade B
3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
Loose tube feeding by means of miniflex hose
Outside Ø: 5mm; inside Ø: 3,3mm

Material: Steel plate coated RAL7035

2LINE FM 1U ST Fanout
Dimensions HxWxD[mm]: 44x350x280
48 ports 48 pigtailed LC/APC, 24 couplings LC/APC dx
article number
2LINE FM 1U ST Fanout LC/APC B
on request

2LINE FM 2U ST Fanout
Dimensions HxWxD[mm]: 88x350x280
96 ports 96 pigtailed LC/APC, 48 couplings LC/APC dx
article number
2LINE FM 2U ST Fanout LC/APC B
on request

2LINE FM 3U ST Fanout
Dimensions HxWxD[mm]: 132x350x280
144 ports 144 pigtailed LC/APC, 72 couplings LC/APC dx
article number
2LINE FM 3U ST Fanout LC/APC B
on request

Splice Module

2LINE Cassette Module with max. 12 resting places (2U) or
max. 18 resting places (3U)
Loose tube feeding by means of 1x flexible hose (2U) or 2x
flexible hose (3U)
Outside Ø: 21.0mm; inside Ø: 16.0mm

Material: Steel plate coated RAL7035

for ODF racks with patch cable output on the left side

2LINE SM 2U
Dimensions HxWxD[mm]: 88x350x280
up to 144 splices
article number
2LINE SM 2U
on request

2LINE SM 3U
Dimensions HxWxD[mm]: 132x350x280
up to 216 splices
article number
2LINE SM 3U
on request

Splice/Patch Module

Patch cable output on the left side

fibre G657.A1, connector Grade B

3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each

2 splice protection holders each 12xcrimp

Outside Ø: 5mm; inside Ø: 3,3mm

Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U HDL	
Dimensions HxWxD[mm]: 44x350x280	
72 ports	article number
2LINE SPM 1U HD LC/APC B	20649
72 pigtails LC/APC, 36 couplings LC/APCdx	

2LINE SPM 1U STL	
Dimensions HxWxD[mm]: 44x350x280	
48 ports	article number
2LINE SPM 1U STL LC/APC B	on request
48 pigtails LC/APC, 24 couplings LC/APCdx	
2LINE SPM 1U STL SC/APC B	on request
48 pigtails SC/APC, 48 couplings SC/APC	
2LINE SPM 1U STL E2000 HS B	20596
48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner	

2LINE SPM 2U HDL	
Dimensions HxWxD[mm]: 88x350x280	
144 ports	article number
2LINE SPM 2U HD LC/APC B	on request
144 pigtails LC/APC, 72 couplings LC/APCdx	

2LINE SPM 2U STL	
Dimensions HxWxD[mm]: 88x350x280	
96 ports	article number
2LINE SPM 2U STL LC/APC B	on request
96 pigtails LC/APC, 48 couplings LC/APCdx	
2LINE SPM 2U STL SC/APC B	on request
96 pigtails SC/APC, 96 couplings SC/APC	
2LINE SPM 2U STL E2000 HS B	20342
96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner	

2LINE SPM 3U HDL	
Dimensions HxWxD[mm]: 132x350x280	
216 ports	article number
2LINE SPM 3U HDL LC/APC B	20424
216 pigtails LC/APC, 108 couplings LC/APCdx	

2LINE SPM 3U STL	
Dimensions HxWxD[mm]: 132x350x280	
144 ports	article number
2LINE SPM 3U STL LC/APC B	20266
144 pigtails LC/APC, 72 couplings LC/APCdx	
2LINE SPM 3U STL SC/APC B	on request
144 pigtails SC/APC, 144 couplings SC/APC	
2LINE SPM 3U STL E2000 HS B	20343
144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner	

Splice/Patch Module
 Patch cable output on the left side
 fibre G652.D, connector Grade B
 3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
 2 splice protection holders each 12xcrimp
 Outside Ø: 5mm; inside Ø: 3,3mm
 Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U STL
Dimensions HxWxD[mm]: 44x350x280
48 ports
48 pigtails SC/APC, 48 couplings SC/APC
article number
2LINE SPM 1U STL SC/APC B
on request

2LINE SPM 2U STL
Dimensions HxWxD[mm]: 88x350x280
96 ports
96 pigtails SC/APC, 96 couplings SC/APC
article number
2LINE SPM 2U STL SC/APC B
on request

2LINE SPM 3U STL
Dimensions HxWxD[mm]: 132x350x280
144 ports
144 pigtails SC/APC, 144 couplings SC/APC
article number
2LINE SPM 3U STL SC/APC B
on request

2LINE Fanout Module FM left side 2LINE Splice Module SM left side

Fanout Module

Patch cable output on the left side
fibre G652.D, connector Grade B
3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
2 splice protection holders each 12xcrimp
Outside Ø: 5mm; inside Ø: 3,3mm

Material: Steel plate coated RAL7035

2LINE FM 1U STL Fanout
Dimensions HxWxD[mm]: 44x350x280
48 ports 48 pigtails LC/APC, 24 couplings LC/APC dx
article number
2LINE FM 1U STL Fanout LC/APC B
on request

2LINE FM 2U STL Fanout
Dimensions HxWxD[mm]: 88x350x280
96 ports 96 pigtails LC/APC, 48 couplings LC/APC dx
article number
2LINE FM 2U STL Fanout LC/APC B
on request

2LINE FM 3U STL Fanout
Dimensions HxWxD[mm]: 132x350x280
144 ports 144 pigtails LC/APC, 72 couplings LC/APC dx
article number
2LINE FM 3U STL Fanout LC/APC B
on request

Fanout Module

Patch cable output on the left side
fibre G657.A1, connector Grade B
3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
2 splice protection holders each 12xcrimp
Outside Ø: 5mm; inside Ø: 3,3mm

Material: Steel plate coated RAL7035

2Line FM 1U STL Fanout
Dimensions HxWxD[mm]: 44x350x280
48 ports 48 pigtails LC/APC, 24 couplings LC/APC dx
article number
2Line FM 1U STL Fanout LC/APC B
on request

2LINE FM 2U STL Fanout
Dimensions HxWxD[mm]: 88x350x280
96 ports 96 pigtails LC/APC, 48 couplings LC/APC dx
article number
2Line FM 2U STL Fanout LC/APC B
on request

2LINE FM 3HE STL Fanout
Dimensions HxWxD[mm]: 132x350x280
144 ports 144 pigtails LC/APC, 72 couplings LC/APC dx
article number
2LINE FM 3U STL Fanout LC/APC B
on request

Splice Module

2LINE Cassette Module with max. 12 resting places (2U) or max. 18 resting places (3U)
Loose tube feeding by means of 1x flexible hose (2U) or 2x flexible hose (3U)
Outside Ø: 21.0mm; inside Ø: 16.0mm

Material: Steel plate coated RAL7035

for ODF racks with patch cable output on the left side

2LINE SM 2U
Dimensions HxWxD[mm]: 88x350x280
up to 144 splices
article number
2LINE SM 2U
on request

2LINE SM 3U
Dimensions HxWxD[mm]: 132x350x280
up to 216 splices
article number
2LINE SM 3U
on request

Splice/Patch Module

Patch cable output on the right side

fibre G657.A1, connector Grade B

3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each

4 splice protection holders each 6xshrink

Outside Ø: 5mm; inside Ø: 3,3mm

Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U HD (s)	
Dimensions HxWxD[mm]: 44x350x280	
72 ports	article number
2LINE SPM 1U HD LC/APC B (s)	on request
72 pigtails LC/APC, 36 couplings LC/APCdx	

2LINE SPM 1U ST (s)	
Dimensions HxWxD[mm]: 44x350x280	
48 ports	article number
2LINE SPM 1U ST LC/APC B (s)	on request
48 pigtails LC/APC, 24 couplings LC/APCdx	
2LINE SPM 1U ST SC/APC B (s)	on request
48 pigtails SC/APC, 48 couplings SC/APC	
2LINE SPM 1U ST E2000 HS B (s)	on request
48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner	

2LINE SPM 2U HD (s)	
Dimensions HxWxD[mm]: 88x350x280	
144 ports	article number
2LINE SPM 2U HD LC/APC B (s)	on request
144 pigtails LC/APC, 72 couplings LC/APCdx	

2LINE SPM 2U ST (s)	
Dimensions HxWxD[mm]: 88x350x280	
96 ports	article number
2LINE SPM 2U ST LC/APC B (s)	20833
96 pigtails LC/APC, 48 couplings LC/APCdx	
2LINE SPM 2U ST SC/APC B (s)	on request
96 pigtails SC/APC, 96 couplings SC/APC	
2LINE SPM 2U ST E2000 HS B (s)	on request
96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner	

2LINE SPM 3U HD (s)	
Dimensions HxWxD[mm]: 132x350x280	
216 ports	article number
2LINE SPM 3U HD LC/APC B (s)	on request
216 pigtails LC/APC, 108 couplings LC/APCdx	

2LINE SPM 3U ST (s)	
Dimensions HxWxD[mm]: 132x350x280	
144 ports	article number
2LINE SPM 3U ST LC/APC B (s)	on request
144 pigtails LC/APC, 72 couplings LC/APCdx	
2LINE SPM 3U ST SC/APC B (s)	on request
144 pigtails SC/APC, 144 couplings SC/APC	
2LINE SPM 3U ST E2000 HS B (s)	on request
144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner	

Splice/Patch Module
 Patch cable output on the right side
 fibre G652.D, connector Grade B
 3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
 4 splice protection holders each 6xshrink
 Outside Ø: 5mm; inside Ø: 3,3mm
 Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U ST (s)
Dimensions HxWxD[mm]: 44x350x280
48 ports
48 pigtailed SC/APC, 48 couplings SC/APC
article number
2LINE SPM 1U ST SC/APC B (s)
on request

2LINE SPM 2U ST (s)
Dimensions HxWxD[mm]: 88x350x280
96 ports
96 pigtailed SC/APC, 96 couplings SC/APC
article number
2LINE SPM 2U ST SC/APC B (s)
on request

2LINE SPM 3U ST (s)
Dimensions HxWxD[mm]: 132x350x280
144 ports
144 pigtailed SC/APC, 144 couplings SC/APC
article number
2LINE SPM 3U ST SC/APC B (s)
on request

Splice/Patch Module

Patch cable output on the left side

fibre G657.A1, connector Grade B

3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each

4 splice protection holders each 6xshrink

Outside Ø: 5mm; inside Ø: 3,3mm

Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U HDL (s)	
Dimensions HxWxD[mm]: 44x350x280	
72 ports	article number
2LINE SPM 1U HDL LC/APC B (s) on request	
72 pigtails LC/APC, 36 couplings LC/APCdx	

2LINE SPM 1U STL (s)	
Dimensions HxWxD[mm]: 44x350x280	
48 ports	article number
2LINE SPM 1U STL LC/APC B (s) on request	
48 pigtails LC/APC, 24 couplings LC/APCdx	
2LINE SPM 1U STL SC/APC B (s) on request	
48 pigtails SC/APC, 48 couplings SC/APC	
2LINE SPM 1U STL E2000 HS B (s) on request	
48 pigtails E2000 Huber & Suhner, 24 couplings E2000 dx Huber & Suhner	

2LINE SPM 2U HDL (s)	
Dimensions HxWxD[mm]: 88x350x280	
144 ports	article number
2LINE SPM 2U HDL LC/APC B (s) on request	
144 pigtails LC/APC, 72 couplings LC/APCdx	

2LINE SPM 2U STL (s)	
Dimensions HxWxD[mm]: 88x350x280	
96 ports	article number
2LINE SPM 2U STL LC/APC B (s) on request	
96 pigtails LC/APC, 48 couplings LC/APCdx	
2LINE SPM 2U STL SC/APC B (s) on request	
96 pigtails SC/APC, 96 couplings SC/APC	
2LINE SPM 2U STL E2000 HS B (s) on request	
96 pigtails E2000 Huber & Suhner, 48 couplings E2000 dx Huber & Suhner	

2LINE SPM 3U HDL (s)	
Dimensions HxWxD[mm]: 132x350x280	
216 ports	article number
2LINE SPM 3U HDL LC/APC B (s) on request	
216 pigtails LC/APC, 108 couplings LC/APCdx	

2LINE SPM 3U STL (s)	
Dimensions HxWxD[mm]: 132x350x280	
144 ports	article number
2LINE SPM 3U STL LC/APC B (s) on request	
144 pigtails LC/APC, 72 couplings LC/APCdx	
2LINE SPM 3U STL SC/APC B (s) on request	
144 pigtails SC/APC, 144 couplings SC/APC	
2LINE SPM 3U STL E2000 HS B (s) on request	
144 pigtails E2000 Huber & Suhner, 72 couplings E2000 dx Huber & Suhner	

Splice/Patch Module
 Patch cable output on the left side
 fibre G652.D, connector Grade B
 3 (1U) / 6 (2U) / 9 (3U) drawers with 24 ports each
 4 splice protection holders each 6xshrink
 Outside Ø: 5mm; inside Ø: 3,3mm
 Loose tube feeding by means of miniflex hose

Material: Steel plate coated RAL7035

2LINE SPM 1U STL (s)	
Dimensions HxWxD[mm]: 44x350x280	
48 ports 48 pigtails SC/APC, 48 couplings SC/APC	article number
2LINE SPM 1U STL SC/APC B (s)	on request

2LINE SPM 2U STL (s)	
Dimensions HxWxD[mm]: 88x350x280	
96 ports 96 pigtails SC/APC, 96 couplings SC/APC	article number
2LINE SPM 2U STL SC/APC B (s)	on request

2LINE SPM 3U STL (s)	
Dimensions HxWxD[mm]: 132x350x280	
144 ports 144 pigtails SC/APC, 144 couplings SC/APC	article number
2LINE SPM 3U STL SC/APC B (s)	on request