

BEST CONTACTS FOR YOUR SUCCESS



**Telegärtner**

KARL GÄRTNER GMBH

NETWORKING COMPONENTS

COAXIAL CONNECTORS

CABLE ASSEMBLIES

PRECISION TURNED PARTS

PLASTIC INJECTION MOULD PARTS

INDUSTRIAL ELECTRONICS

## Generic Cabling in Control Cabinets



Where Industrial Ethernet is involved  
**Telegärtner backs**  
**STEADYTEC®** all the way.

DataVoice

## Applications for Mounting Rails

STX Mounting Rail Outlet - STX Mounting Rail Distributor

# Smart solutions for mounting rail...

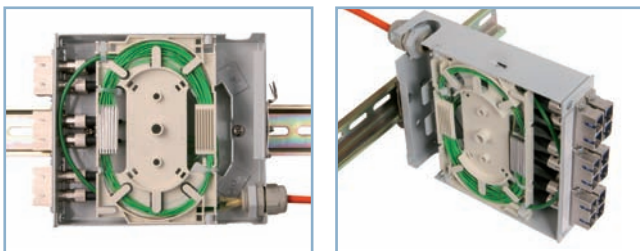
For generic cabling in control cabinets, Telegärtner offers outlets and distributors which can be mounted directly next to one another on the mounting rail. They form the ideal connection between the arriving installation lines and the wiring inside the control cabinet. The

components can be quickly and easily mounted on conventional TH35 rails by simply clicking them in place. The new Telegärtner mounting rail solutions serve to supplement a comprehensive line of the STX Industry connector platform concepts, specially developed for employment in harsh environments.

## STX Mounting Rail Distributors

The STX mounting rail distributors are available for either loose-tube, mini-breakout or breakout cables of up to 12 fibres using splice techniques or for fibre optic adaptors using pre-assembled fibre optic links. Fibre optic adaptor types including ST, SC Duplex, SC-RJ, LC Duplex, E2000 and E2000 Compact can be installed in the interchangeable front panel.

The installer can flexibly feed the cables from three directions while easily maintaining minimum bend radii using a storage reserve with additional cable retainers. Versions with pre-assembled adaptors are already available for mini-breakout and breakout cables. For loose-tube cables, the distributors are supplied with ready-to-splice, coloured pigtailed and cable strain relief.



- width / depth / height: 2 PU (35 mm) / 140 mm / 125 mm
- housing: sheet steel light grey RAL 7035
- ambient temperature: -40° / + 70° C
- protection class: IP20

### Performance Characteristics

- clip technique for fixing on mounting rail TH35 acc. to DIN 60715
- port labeling
- splice cassette for max. 12 crimp splices or 12 Micro shrink splice protectors and integrated storage reserve
- available completely equipped for breakout cables, with adaptors such as ST-Duplex, SC-Duplex, SC-RJ, LC-Duplex, E2000 or E2000 Compact, or alternatively for loose-tube cables with additional splice cassette and coloured pigtailed
- cable entry from three sides
- fixing on mounting rail in three different positions

## STX Mounting Rail Outlets

The STX mounting rail outlets utilizing **STEADYTEC**® technology are available in a wide variety of applications (RJ45, USB coupler type A + B, fibre optic adaptors). The use of freely selectable modules which can be easily inserted into the housings provides a high level of flexibility in both component selection as well as in areas of application.

The variants designed for fully-screened Cat.6A RJ45 jacks and Cat.6 RJ45 couplers are equipped with a functional earth which can be switched on/off during operation. This simplifies fault analyses in the grounding concept while also separating the potentials between the network and the control cabinet.





- width / depth / height: 1 PU (17,5 mm) / 60 mm / 34 mm
- housing: PA light grey RAL 7035, UL94 V-0
- protection class: IP20
- ambient temperature: -40° / +70° C

### Performance Characteristics

- clip technique for fixing on mounting rail TH35 acc. to DIN 60715
- port labeling
- functional earth can be switched on/off during operation
- available with STX RJ45 jack Cat.6A, STX RJ45 coupler Cat.6 for data transmission up to 10 Gbit/s acc. to IEEE 802.3an
- available with SC-Duplex, SC-RJ, SC/ST Duplex, ST Duplex, LC Duplex and E2000 Compact RJ adaptors for Single-, Multimode and POF (only SC Duplex and SC-RJ)
- available with USB adaptor type A or A-B f-f for data transmissions from 25-400 Mbit/s acc. to Universal Serial Bus Specification, Revision 2.0 and up to 5 Gbit/s with USB 3.0

# Order Information STX Mounting Rail Distributors


Order no.	Description	Adaptor	Colour	
	H82050A0002	STX MR-Distributor with 6xSC Duplex, Multimode	6xSC Duplex, metal sleeve/plastic housing	beige
	H82050S0002	STX MR-Distributor with 6xSC Duplex, Singlemode and Multimode	6xSC Duplex, ceramic sleeve/plastic housing	blue
	H82050S0003	STX MR-Distributor with 6xSC Duplex, Singlemode and Multimode	6xSC Duplex, ceramic sleeve/metal housing	
	H82050A0001	STX MR-Distributor with 6xST Duplex, Multimode	6xST Duplex, metal sleeve/metal housing	
	H82050S0001	STX MR-Distributor with 6xST Duplex, Singlemode and Multimode	6xST Duplex, ceramic sleeve/metal housing	
	H82050A0004	STX MR-Distributor with 6xSC-RJ, Multimode	6xSC-RJ, metal sleeve/plastic housing	beige
	H82050S0004	STX MR-Distributor with 6xSC-RJ, Singlemode and Multimode	6xSC-RJ, ceramic sleeve/plastic housing	blue
H82050A0005	STX MR-Distributor with 6xLC Duplex, Multimode	6xLC Duplex, metal sleeve/plastic housing	beige	
H82050S0005	STX MR-Distributor with 6xLC Duplex, Singlemode and Multimode	6xLC Duplex, ceramic sleeve/plastic housing	blue	
H82050A0007	STX MR-Distributor with 6xE2000 Compact, Multimode	6xE2000 Compact, ceramic sleeve/plastic housing	black/orange	
H82050S0007	STX MR-Distributor with 6xE2000 Compact, Singlemode and Multimode	6x E2000 Compact, ceramic sleeve/plastic housing	blue	

Order no.	Description	Colour	
	H82050E0001	STX MR-Distributor with 6xST Duplex, Singlemode, splice cassette, Pigtails OS2	12x E9/125, ST
	H82050F0001	STX MR-Distributor with 6xST Duplex, Multimode, splice cassette, Pigtails OM2	12x G50/125 OM2, ST
	H82050K0001	STX MR-Distributor with 6xST Duplex, Multimode, splice cassette, Pigtails OM3	12x G50/125 OM3, ST
	H82050E0002	STX MR-Distributor with 6xSC Duplex, Singlemode, splice cassette, Pigtails OS2	12x E9/125, SC
	H82050E0003 <sup>*2</sup>	STX MR-Distributor with 6xSC Duplex, Singlemode, splice cassette, Pigtails OS2	12x E9/125, SC
	H82050F0002	STX MR-Distributor with 6xSC Duplex, Multimode, splice cassette, Pigtails OM2	12x G50/125 OM2, SC
	H82050K0002	STX MR-Distributor with 6xSC Duplex, Multimode, splice cassette, Pigtails OM3	12x G50/125 OM3, SC
	H82050E0004	STX MR-Distributor with 6xSC-RJ, Singlemode, splice cassette, Pigtails OS2	12x E9/125, SC
	H82050F0004	STX MR-Distributor with 6xSC-RJ, Singlemode, splice cassette, Pigtails OM2	12x G50/125 OM2, SC
	H82050K0004	STX MR-Distributor with 6xSC-RJ, Singlemode, splice cassette, Pigtails OM3	12x G50/125 OM3, SC
	H82050E0005	STX MR-Distributor with 6xLC Duplex, Singlemode, splice cassette, Pigtails OS2	12x E9/125, LC
	H82050F0005	STX MR-Distributor with 6xLC Duplex, Multimode, splice cassette, Pigtails OM2	12x G50/125 OM2, LC
	H82050K0005	STX MR-Distributor with 6xLC Duplex, Multimode, splice cassette, Pigtails OM3	12x G50/125 OM3, LC
	H82050E0007	STX MR-Distributor with 6xE2000 Compact, Singlemode, splice cassette, Pigtails OS2	12x E9/125, E2000
	H82050F0007	STX MR-Distributor with 6xE2000 Compact, Multimode, splice cassette, Pigtails OM2	12x G50/125 OM2, E2000
	H82050K0007	STX MR-Distributor with 6xE2000 Compact, Multimode, splice cassette, Pigtails OM3	12x G50/125 OM3, E2000

\*1 coloured and stripped for splicing

\*2 Metal housing

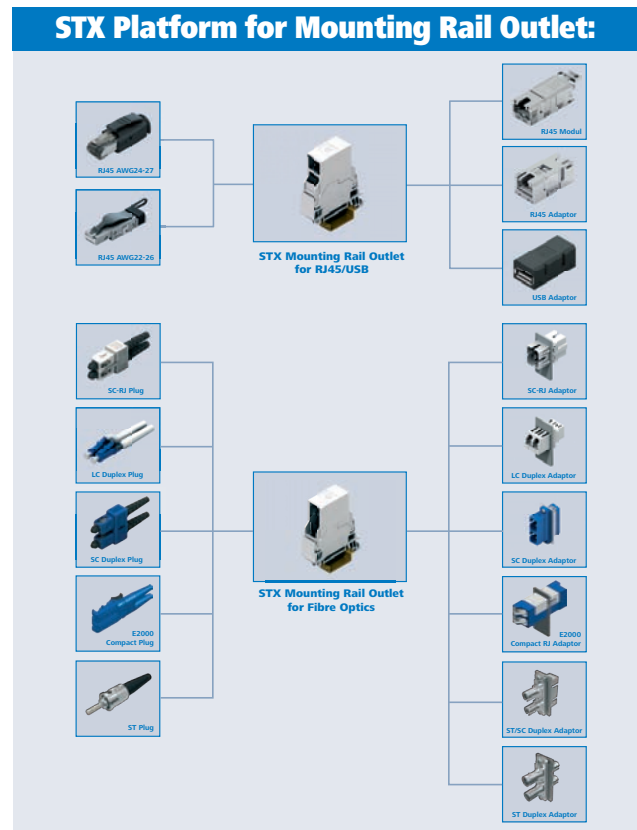
MR = Mounting Rail

Order no.	Description	
	H06000A0055	Cable strain relief (bar, clamp, screw), only for loose-tube cables and mini-breakout cables
	F08000A0003	Crimp splice protector for arc fusion splice, PU: 6pcs
	F08000A0017	Micro shrink splice protector for arc fusion splice, PU: 6pcs
H06000A0065	Mounting rail fixing bracket for ODS Mini splitter	

# Oder Information STX Mounting Rail Outlets

	Order no.	Description
	H82000A0014	STX Mounting Rail Outlet incl. SC Duplex adaptor Multimode
	H82000A0015	STX Mounting Rail Outlet incl. SC Duplex adaptor Singlemode
	H82000A0016	STX Mounting Rail Outlet incl. SC-RJ adaptor Multimode
	H82000A0017	STX Mounting Rail Outlet incl. SC-RJ adaptor Singlemode
	H82000A0022	STX Mounting Rail Outlet incl. ST/SC Duplex adaptor metal SM/MM
	H82000A0023	STX Mounting Rail Outlet incl. ST Duplex adaptor metal SM/MM
	H82000A0018	STX Mounting Rail Outlet incl. LC Duplex adaptor Multimode
	H82000A0019	STX Mounting Rail Outlet incl. LC Duplex adaptor Singlemode
	J80023A0020	STX Mounting Rail Outlet incl. E2000 Compact RJ adaptor Multimode
	J80023A0021	STX Mounting Rail Outlet incl. E2000 Compact RJ adaptor Singlemode
	H82000A0024	STX Mounting Rail Outlet incl. E2000/APC Compact RJ Singlemode
	J80023A0000	STX Mounting Rail Outlet incl. RJ45 module T568A Cat.6A
	J80023A0001	STX Mounting Rail Outlet incl. RJ45 module T568B Cat.6A
	J80023A0002	STX Mounting Rail Outlet incl. RJ45 module PROFINET Cat.6A
	J80023A0003	STX Mounting Rail Outlet incl. RJ45 coupler Cat.6
	J80023A0004	STX Mounting Rail Outlet incl. USB coupler 2.0 type A, f-f
	J80023A0006	STX Mounting Rail Outlet incl. ST USB coupler 2.0 type A-B, f-f
	J80023A0007	STX Mounting Rail Outlet incl. ST USB coupler 3.0 type A, f-f

SM = Singlemode; MM = Multimode



Accessories:	Order no.	Description/Colour
		Retrofit dust protection cap RJ45 module
	B00001A0016	black RAL9005
	B00001B0016	orange RAL2009
	B00001C0016	green RAL6017
	B00001D0016	blue RAL5015
	B00001E0016	yellow RAL1023
B00001F0016	red RAL3020	

## Telegärtner STX: powered by **STEADYTEC®**

With STX connectors based on **STEADYTEC®**, Telegärtner points the way to the future of connection technology in the area of data, power and signal transmission. **STEADYTEC®** is the only technology which meets all internationally applicable standards and specifications for Industrial Ethernet thus forming the reliable, simple, fast and solutions-oriented foundation for STX.

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