Passive patch panel for the DIN rail

The mini patch panels provide a convenient alternative to on-site assembly of RJ45 connectors.

The cross-control-cabinet field cabling is simply connected to screw, spring-cage or LSA connection terminal blocks, depending on which option is selected. The connection to the terminal devices is then completed using pre-assembled RJ45 patch cables.

General features
– CAT5e
– 10/100/1000 Mbps
– Mounted on DIN rails
– Safe shield connection to ground potential

FL CAT 5 TERMINAL BOX
– Screw terminal blocks
– 4-pin assignment: 1, 2, 3, 6
– Clearly labeled with PROFINET cable colors

FL-PP-RJ45-...
– Spring-cage connection terminal blocks
– Screw terminal blocks
– LSA connection terminal blocks
– 8-pin assignment: 1:1
– Option of shield contacting on DIN rail directly or via RC element with jumper

FL-PP-RJ45/RJ45
– Two RJ45 sockets
– 8-pin assignment: 1:1
– Version B as basic version with compact design and extended temperature range

FL-PP-RJ45-SCC/...
– Y-splitter for transmission of two individual network connections with 10/100 Mbps or phone line via a CAT cable with eight wires
– Spring-cage connection terminal blocks
– Option of shield contacting on DIN rail directly or via RC element with jumper

Notes:
Mini patch panel with electrical isolation, see page 386
For Ethernet cables and corresponding crimping pliers, see page 390
For RJ45 patch cables, see page 391

Ethernet

1 x RJ45 to four connection terminal blocks, up to 100 Mbps

General data	
Cable impedance	100 Ω
Transmission speed	10/100 Mbps
Connection line	twisted pair, shielded, CAT5 or better
Transmission length	100 m (including patch cables)
Plug connection	RJ45 CAT5e
Insertion/withdrawal cycles	≤ 2500
Cable cross section (max./min.)	10 mm / 6 mm
Screw connection solid / stranded / AWG	0.14 - 1.5 mm² / 0.14 - 1 mm² / 26 - 16
Ambient temperature (operation)	-25 °C ... 70 °C
Dimensions W / H / D	25 mm / 90 mm / 52 mm

Technical data

Description	Type	Order No.	Pcs. / Pkt.
Patch panel, one **RJ45 socket to 4 screw connection terminal blocks** (assignment 1, 2, 3, 6), CAT5, 10/100 Mbps, DIN rail mounting, IP20, shield contacting on DIN rail	**FL CAT5 TERMINAL BOX**	**2744610**	1
Patch panel, one RJ45 socket to 8 connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers - RJ45 to spring-cage connection terminal blocks - RJ45 to screw connection terminal blocks - RJ45 to LSA connection terminal blocks			
Patch panel, two RJ45 sockets (1:1 assignment), CAT5, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers			
Patch panel, two RJ45 sockets (1:1 assignment), **extended temperature range,** CAT5, 10/100 Mbps, DIN rail mounting, IP20, consistent shield, width 22.5 mm			
Cable sharing module, two RJ45 sockets with Ethernet assignment, to 8 spring-cage connection terminal blocks, CAT5e, 10/100 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers - Cable outlet at the front, width 52 mm - Cable outlet at the top, width 56 mm			

Ordering data heading spans the Type/Order No./Pcs. columns.