



■ Industrial Ethernet – energy and data.

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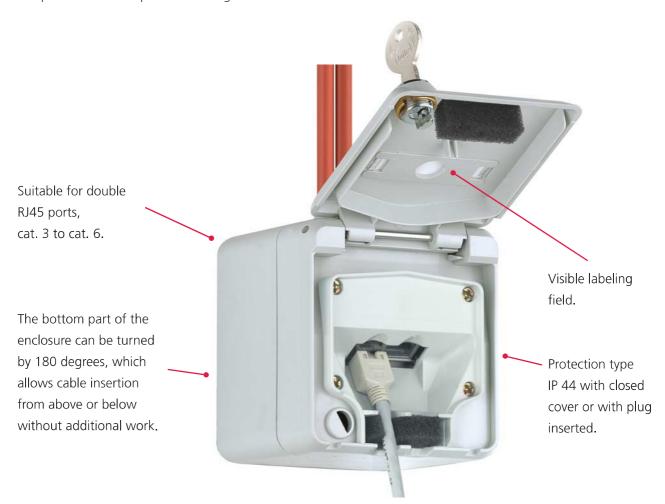


Data port inserts / modules for Cepex wall- and panel mounted receptacles, Page 149

MENNEKES Cepex data port receptacles MENNEKES Industrial Ethernet

Cepex data port receptacles.

The right choice for control stations, storage areas, laboratories, airports, production lines, etc. Cepex data port receptacles are operated with standard patch cables and can be combined with Cepex CEE and/or SCHUKO® receptacles. For wall-/panel mounting or installation in cable ducts.





Safe

Lockable even with connected cables. The safety lock prevents unauthorized access. Identical locks are available on request.



Simple

All types are equipped with a membrane gland fitting M25 for two cables 3-2 mm.
Simply push in the cable – done!



Spacious

Spaciously dimensioned wiring space for fast and easy installation.
The handcraft-conform construction protects the installed components.



Extra

A metric cable gland M25 / 2 x 8 is optionally available for special requirements.



Industrial Ethernet. Data transfer.

You are familiar with MENNEKES as competent provider of high-quality industrial plugs and sockets. One current example are our AMAXX® receptacle combinations.

Based on this competence and the close cooperation with our customers, we have developed a new compact solution for energy and data on the basis of AMAXX®. The result: a modular system that combines energy and data technology.

Easily planned, calculated and ordered

- All energy and data components from one source.
- Complete solution instead of individual installations.

Modular structure

- Equipped with standard network components.
- Easy retrofitting or expansion.

Clearly arranged and appealing

- Elegant and robust AMAXX® enclosure system.
- Also available in yellow.
- Compact design.



Clear installation advantages

- Shorter installation times.
- Less material required.
- Fast installation of the enclosures.

Suitable and safe for industrial needs

- Protected against dust, moisture and other environmental influences.
- Protection type IP 44 and IP 67.
- Physical separation of network and energy enclosure.

MENNEKES Industrial Ethernet

Variable.

Fitted easy and fast.

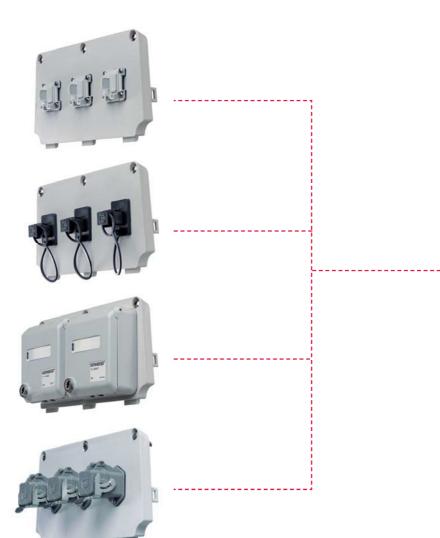
Industrial Ethernet by MENNEKES can be fitted variably with network components like switches, OWG splice cassettes, patch fields and data port receptacles. Distributors and data interfaces are led through via RJ45 data module connectors, which allow the application of ready-made patch cables. Numerous sophisticated details like seal inserts with multiple perforations for cable entry complement the system offer.

Module board with 3 data port receptacles BTR V6 E-DAT

Module board with 3 data port receptacles BTR V4 bulkhead

Module board with 2 Cepex data port receptacles

Module board with 3 data port receptacles Harting type Han 3A

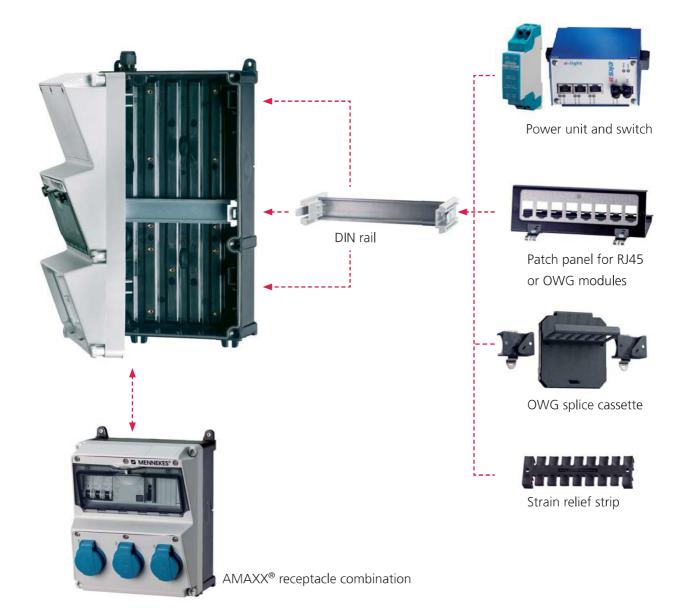


Industrial Ethernet allows the utilization of the Ethernet standard for networking devices in industrial production. With Industrial Ethernet, you can incorporate devices required for coordination and control of production processes into the present Ethernet network.

Industrial Ethernet by MENNEKES is optimally suited for establishing local networks or sub-networks in rough industrial environments. Wherever data and electricity are required in production or logistics – for example in the incoming goods department or on field level (machine sector) or in dispatch. And both indoors and outdoors. With Industrial Ethernet by MENNEKES individual installations, special solutions and overdimensioned distribution cabinets are things of the past.



Cable gland set, consisting of a seal insert with multiple perforations and a closed seal insert.



Network enclosures AMAXX®

AMAPLAST enclosure, protection class IP 67, bottom part black, top part grey RAL 7035 or yellow RAL 1021, bottom part with screw-in nuts for installation of a floor-mounted base including a height-adjustable mounting rail with mounting rail catches as well as a cable gland set with multiple seal.



Enclosure size: 130 x 225 mm Closed top part

Cable entries:

2 x M25 top (open on the left, closed on the right),

2 x M25 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 25100 Part no. 25100GE grey yellow



Enclosure size: 130 x 225 mm
Top with transparent hinged window without protective cover (10 modules)
Cable entries:

2 x M25 top (open on the left, closed on the right).

2 x M25 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 25101 grey
Part no. 25101GE yellow



Enclosure size: 260 x 225 mm Closed top part

Cable entries:

2 x M32 top (open on the left, closed on the right),

2 x M32 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 25200 grey Part no. 25200GE yellow



Enclosure size: 260 x 225 mm

Top with transparent hinged window without protective cover (10 modules) Cable entries:

2 x M32 top (open on the left, closed on the right),

2 x M32 bottom (closed).

2 x M20 each top and bottom (closed)

Part no. 25201 grey Part no. 25201GE yellow



Enclosure size: 390 x 225 mm Closed top part

Cable entries:

2 x M40 top (open on the left, closed on the right).

2 x M40 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 25300 grey Part no. 25300GE yellow



Enclosure size: 390 x 225 mm

Top with transparent hinged window without protective cover (10 modules) Cable entries:

2 x M40 top (open on the left, closed on the right),

2 x M40 bottom (closed)

2 x M20 each top and bottom (closed)

Part no. 25301 grey Part no. 25301GE yellow



Enclosure size: 520 x 225 mm Closed top part

Cable entries:

2 x M40 top (open on the left, closed on the right),

2 x M40 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 25400 grey Part no. 25400GE yellow



Enclosure size: 520 x 225 mm

Top with transparent hinged window without protective cover (10 modules) Cable entries:

 $2 \times M40$ top (open on the left, closed on the right),

2 x M40 bottom (closed),

2 x M20 each top and bottom (closed)

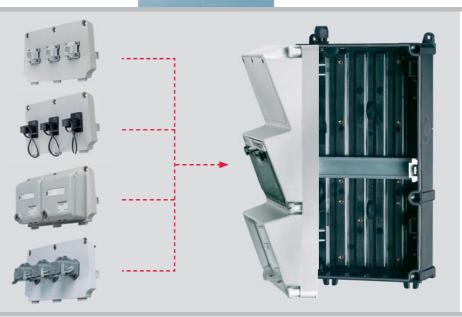
Part no. 25401 grey
Part no. 25401GE yellow

Module board with 3 data port receptacles BTR V6 E-DAT

Module board with 3 data port receptacles BTR V4 bulkhead

Module board with 2 data port receptacles Cepex

Module board with 3 data port receptacles Harting type Han 3A





Module board AMAXX® equipped with 2 Cepex data port receptacles IP 44 each for 2 BTR E-DAT modules RJ45 Delivery scope: without data modules

Part no. 25033 Part no. 25033GE

grey yellow

Part no. 25044 (grey module board with black data receptacles)



Data module for Cepex data port receptacles RJ45 connection module type E-DAT module connector 8(8) 30°, cat. 6

(recommended for improved cable routing)

Part no. 25042



Module board AMAXX® equipped with 3 data port receptacles BTR V4 bulkhead IP 67 (suited for RJ45 and OWG inserts by BTR, Telegärtner and Weidmüller) Delivery scope: without data modules

Part no. 25034 grey Part no. 25034GE yellow



Data module for BTR Industry V4 bulkhead data port receptacle RJ45 connection module type BTR E-DAT Industry RJ45 connector insert, cat. 6

Part no. 25037



Module board AMAXX® equipped with 3 data port receptacles BTR E-DAT V6 8(8) EBM IP 67 (for installation of RJ45 or OWG data modules)

Delivery scope: without data modules

Part no. 25035 grey Part no. 25035GE yellow



Data module for BTR E-DAT V6 data port receptacle also suited for Cepex data port receptacle (part no. 25033) RJ45 connection module type E-DAT module connector 8(8), cat. 6

Part no. 25038



Module board AMAXX® equipped with 3 data port receptacles HARTING RJ45, type Han 3A, IP 67 metal design, straight model with self-closing cover Delivery scope: with data modules RJ45, cat. 5 / class D up to 100 MHz

Part no. 25036 grey Part no. 25036GE yellow



XXL cable gland set M40, grey 1 screw connection M40, 1 counter nut, 1 multi-seal with 7 openings for cable diameters from 5 to 7 mm and 6 blind plugs,

1 seal (perforation by the customer)

Part no. 25026



Transparent window without protective cover (10 modules) for AMAXX® enclosure

Part no. 25009



AMAXX® cable gland set, black

1 screw gland

1 multi-seal with openings for cable diameters from 5 to 7 mm and blind plugs 1 seal (perforation by the customer)

Part no. 25023 M25 Part no. 25024 M32 Part no. 25025 M40



AMAXX® screw set consisting of 4 screws (6 x 70 mm) and 4 dowels (8 x 50 mm)

Part no. 990606

Bargain: In the introduction phase free of charge with every network enclosure.



Cable gland M20, black

Part no. 990607

Cable gland M32, black

Part no. 990608

Cable gland M40, black

Part no. 990609

Network components



Patch panel for installation on a DIN rail, fits all AMAXX® and XXL network enclosures including front panel for insertion of max. 8 RJ45 modules made by BTR (E-DAT module 8(8) jack), Rutenbeck (UM real, cat, 6a, B) Dätwyler (Unilan RJ45 module MS-N 1/8 cat. 6a), Telegärtner

Material: Powder-coated sheet steel

Colour: black

Dimensions (W x H x D): 180 x 57 x 76 mm





Height-adjustable DIN rail for 10 modules with 2 DIN rail notches for AMAXX® network enclosures

Notice: 1 piece in each AMAXX® network enclosure equipped as standard

Part no. 999040

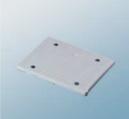


Patch panel for installation on a DIN rail, fits all AMAXX® and XXL network enclosures including front panel for insertion of max. 8 RJ45 modules made by CORNING (FutureCOM)

Material: Powder-coated sheet steel Colour: black

Dimensions (W x H x D): 180 x 57 x 76 mm

Part no. 25002



Floor installation base for all AMAXX® enclosures as of an enclosure size of 260 x 225 mm Dimensions (W x H): 130 x 166 mm

Part no. 990600



Patch panel for installation on a DIN rail, fits all AMAXX® and XXL network enclosures including front panel for insertion of max. 8 ST/SC-D connectors Material: Powder-coated sheet steel

Colour: black

Dimensions (W x H x D): 180 x 57 x 76 mm

Part no. 25003



Floor installation base for all AMAXX® enclosures as of an enclosure size of 260 x 225 mm Dimensions (W x H): 230 x 166 mm

Part no. 990601



OWG splice cassette for installation on a DIN rail, fits all AMAXX® and XXL network enclosures

consisting of: 1 splice cassette for max. 12 individual splices incl. cover, 1 patch panel for insertion of 6 ST/SC-D

2 cable guide clips

Dimensions (W x H x D): 193 x 53 x 101 mm

Part no. 25004



OWG splice cassette for installation on a DIN rail, fits all AMAXX® and XXL network enclosures

consisting of: 1 splice cassette for max. 12 individual splices incl. cover 1 patch panel for insertion of 6 connectors each: SC-SIMPLEX, E2000 (LSH), E2000 KOMPAKT, LC-DUPLEX, 2 cable guide clips Dimensions (W x H x D): 193 x 53 x 101 mm

Part no. 25012



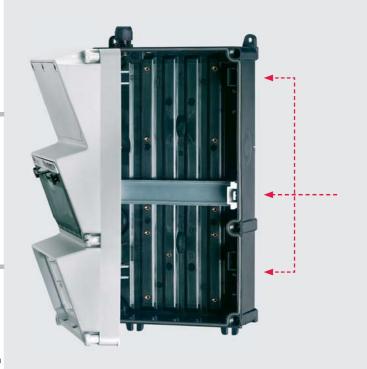
Strain relief strip



for installation on a DIN rail, fits all AMAXX® and XXL network enclosures Strain relief of the cables via cable strips

Dimensions (W x H x D):139.5 x 16 x 40 mm

Part no. 25019





Switch EL 100-3TX-1FX-ST-MM Unmanaged Industrial Ethernet layer 2 switch with 3 TX ports and 1 FX port, multimode fibre

Brand: EKS

powder-coated stainless steel enclosure Data rate 10/100 Megabit/s

Operating temperature: -10°C up to +55°C Dimensions (W x H x D): 100 x 61 x 113 mm

Part no. 25028



FL Switch SF 8TX Unmanaged Industrial Ethernet switch with 8 TX ports Brand: Phoenix Contact Data rate 10/100 Megabit/s

Operating temperature: 0°C up to +60°C Dimensions (W x H x D): 135 x 30 x 103 mm

Part no. 25039



Switch EL 100U2-6TX-1FX-ST-MM Unmanaged Industrial Ethernet layer 2 switch with 6 TX ports and 1 FX port, multimode fibre

Brand: EKS

powder-coated stainless steel enclosure Data rate 10/100 Megabit/s

Operating temperature: -10°C up to +55°C Dimensions (W x H x D): 100 x 61 x 113 mm

Part no. 25030



FL Switch SF 7TX/FX ST Unmanaged Industrial Ethernet switch with 7 TX ports and 1 FX port, multimode fibre Brand: Phoenix Contact

Data rate 10/100 Megabit/s

Operating temperature: 0°C up to +60°C Dimensions (W x H x D): 135 x 30 x 103 mm

Part no. 25040



Switch EL 100U2-6TX-2FX-ST-MM Unmanaged Industrial Ethernet layer 2 switch with 6 TX ports and 2 FX ports, multimode fibre

Brand: EKS

powder-coated stainless steel enclosure Data rate 10/100 Megabit/s

Operating temperature: -10°C up to +55°C Dimensions (W x H x D): 100 x 61 x 113 mm

OWG splice cassette

Part no. 25031



FL Switch SF 6TX/2FX ST Unmanaged Industrial Ethernet switch with 6 TX ports and 2 FX ports, multimode fibre Brand: Phoenix Contact Data rate 10/100 Megabit/s

Operating temperature: 0°C up to +60°C Dimensions (W x H x D): 135 x 30 x 103 mm

Part no. 25041

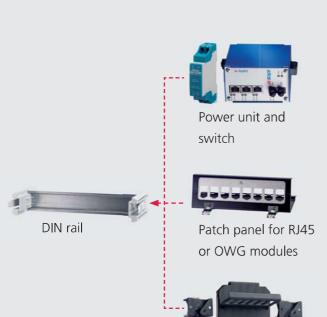


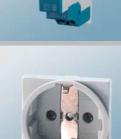


Power unit 24V DC-12W/0.5A Brand: Eltako, 1 TE Nominal voltage: 12W

Dimensions: 18 mm wide, 58 mm deep Operating temperature: -10°C up to +50°C

Part no. 25032





SCHUKO® snap-in receptacle for fixing on DIN rail with fixing rack 11254

Part no. 11510K



Fixing rack for fixing of SCHUKO® receptacles 11510K on DIN rails

Part no. 11254

Network enclosure XXL

AMAPLAST enclosure, protection type IP 67, grey RAL 7035, including: a cable gland set with multiple seal; a mounted network installation kit consisting of: 1 base plate, aluminium, with 3 DIN rails, 1 DIN rail (snap), 1 stiffener wall small (fibre protection), 1 stiffener wall large (power unit), prepared for installation of network components



Enclosure size: 520 x 260 mm
Top part hinged on the right
Operating window with knurled screws,
lockable with padlock
Installation opening for series installation devices:

Installation opening for series installation devices 160 x 200 mm (H x W)

Cable entries:

 $2 \times M40$ top (open on the left, closed on the right) $2 \times M40$ bottom (closed)

Part no. 25600



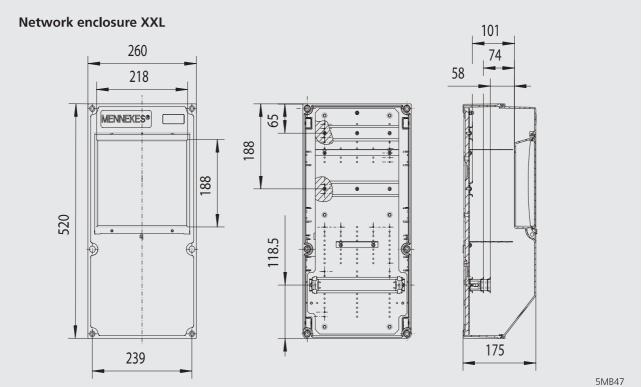
Alternative:

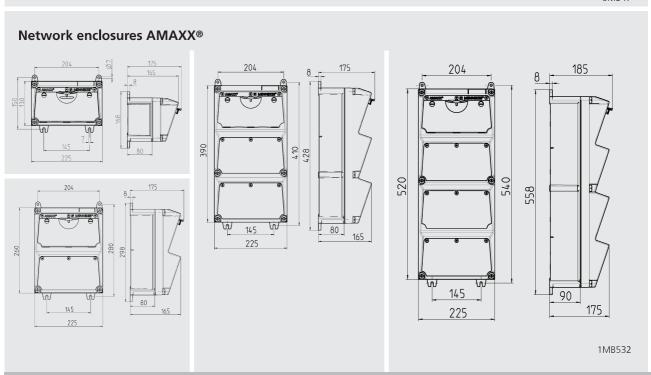
With opening for 2 Cepex data port receptacles

Protection type IP 44

(Delivery scope: without Cepex data port receptacles)

Part no. 25601





A selection of AMAXX® receptacle combinations

AMAPLAST enclosure, protection type IP 44, bottom part black, top part grey RAL 7035 or yellow RAL 1021. Combination pre-wired for installation.



Enclosure size: 130 x 225 mm

Fitted with:

2 SCHUKO® receptacles 16A, 2p+E, 230V

2 MCB's 16A, 1p, C

1 RCD 25A, 2p, IFN = 0.03A

Cable entries:

2 x M25 top

(open on the left, closed on the right),

2 x M25 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 910001 grey Part no. 910001GE yellow



Enclosure size: 130 x 225 mm

Fitted with:

3 SCHUKO® receptacles 16A, 2p+E, 230V

Cable entries:

2 x M25 top

(open on the left, closed on the right),

2 x M25 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 910005 grey Part no. 910005GE yellow



Enclosure size: 260 x 225 mm

Fitted with:

3 SCHUKO® receptacles 16A, 2p+E, 230V

3 MCB's 16A, 1p, C

1 RCD 40A, 4p, IFN = 0.03A

Cable entries:

2 x M32 top

(open on the left, closed on the right),

2 x M32 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 920003 grey Part no. 920003GE yellow



Enclosure size: 260 x 225 mm

Fitted with:

1 CEE receptacle 32A, 5p, 400V

1 MCB 32A, 3p, C

2 SCHUKO® receptacles 16A, 2p+E, 230V

2 MCB's 16A, 1p, C

1 RCD 40A, 4p, IFN = 0.03A

Cable entries:

2 x M32 top

(open on the left, closed on the right),

2 x M32 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 920015 grey Part no. 920015GE yellow



Enclosure size: 260 x 225 mm

Fitted with:

1 CEE receptacle 16A, 5p, 400V

1 MCB 16A, 3p, C

2 SCHUKO® receptacles 16A, 2p+E, 230V

2 MCB's 16A, 1p, C

1 RCD 40A, 4p, IFN = 0.03A

Cable entries:

2 x M32 to

(open on the left, closed on the right),

2 x M32 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 920009 grey
Part no. 920009GE vellow



Enclosure size: 390 x 225 mm

Fitted with:

1 CEE receptacle 32A, 5p, 400V

1 MCB 32A, 3p, C

1 CEE receptacle 16A, 5p, 400V

1 MCB 16A, 3p, C

2 SCHUKO® receptacles 16A, 2p+E, 230V

2 MCB's 16A, 1p, C

1 RCD 40A, 4p, IFN = 0.03A

Cable entries:

2 x M40 top

(open on the left, closed on the right),

2 x M40 bottom (closed),

2 x M20 each top and bottom (closed)

Part no. 930013 grey
Part no. 930013GE yellow

These illustrations are just some examples of possible configurations. Compile your individual combination based on the AMAXX® energy enclosures. Further information is included in the brochure "AMAXX®". Or use the AMAXX® online configurator for fast and easy configuration: www.AMAXX.info.

MENNEKES Cepex data port receptacles and accessories

Enclosure and insert made of AMAPLAST.

Colours: grey (RAL 7035), alpine white (RAL 8010), silver (RAL 8006).



Cepex enclosures as wall mounted receptacle for installation of RJ45 data port receptacles, 2 keys, grey RAL 7035

▲ IP 44 Product group 1024 type 4300 shown

Brand	Туре	Part no./grey
AMP	Twist	4350
AMP	Jack	4360
AMP	CO Plus	4370*
BTR	E-DAT module	4340
Rutenbeck	UP0S	4320
TKM	KDMF	4300
Reichle & De-Massari	Modul Real 10	4375

Packaging unit: 5 pieces, weight 284g/piece With identical locks: Part no. + index "G"



Cepex enclosures as panel mounted receptacle for installation of RJ45 data port receptacles, 2 keys, grey RAL 7035

⚠ IP 44 Product group 1020 type 4302 shown

Brand	Туре	Part no./grey
AMP	Twist	4352
AMP	Jack	4362
AMP	CO Plus	4372*
BTR	E-DAT module	4342
Rutenbeck	UPOS	4322
TKM	KDMF	4302
Reichle & De-Massari	Modul Real 10	4377

Packaging unit: 5 pieces, weight 170 g/piece With identical locks: Part no. + index "G"



Cepex enclosures as panel mounted receptacle for installation of RJ45 data port receptacles, 2 keys, alpine white RAL 9010

⚠ IP 44 Product group 1020 type 4304 shown

Brand	Туре	Part no./alpine whi
AMP	Twist	4354
AMP	Jack	4364
AMP	CO Plus	4374*
BTR	E-DAT module	4344
Rutenbeck	UPOS	4324
TKM	KDMF	4304

Packaging unit: 5 pieces, weight 170 g/piece With identical locks: Part no. + index "G"



Cepex enclosures as panel mounted receptacle for installation of RJ45 data port receptacles, 2 keys, silver RAL 9006

⚠ IP 44 Product group 1020 type 4326 shown BrandTypePart no./silverRutenbeckUPOS4326

Packaging unit: 5 pieces, weight 170 g/piece With identical locks: Part no. + index "G"



Cepex enclosures as panel mounted receptacle for installation of RJ45 data port receptacles, 2 keys, black RAL 9005

▲ IP 44 Product group 1020 type 4345 shown

Brand	Туре	Part no./black
AMP	Twist	4366
AMP	Jack	4365
AMP	CO Plus	4379*
BTR	E-DAT module	4345
Rutenbeck	UP0S	4367
Reichle & De-Massari	Modul Real 10	4378

Packaging unit: 5 pieces, weight 170 g/piece With identical locks: Part no. + index "G"

^{*} The data inserts/modules AMP CO Plus are not part of the MENNEKES delivery program!

Data port inserts / modules for Cepex wall- and panel mounted receptacles



Type: Data port insert, 2 x RJ45, cat. 6, (type AMP Twist Dual/Outlet) Packaging unit: 10 pieces

Required accessories: See last position

Part no. 41456



Brand: Rutenbeck

Type: Data port insert, 2 x RJ45, cat. 6,

(type UPOS)

Packaging unit: 10 pieces

Required accessories: See last position

Part no. 41451



Brand: AMP

Type: RJ45 connection module, (type cat. 6 SL Jack) Packaging unit: 10 pieces

Required accessories from AMP (2 modules per enclosure)

Part no. 41457



Type: RJ45 connection module, (type E-DAT

module 8(8) jack, cat. 6) Packaging unit: 10 pieces

Required accessories for BTR-E-DAT Module for cable duct and DIN rail installation: installation support for T-nut and DIN rail attachment, fits BTR (2 modules per

enclosure), BTR-No. 1308895521-l Part no. 41454



Brand: TKM

Type: Data port insert, 2 x RJ45, cat. 6),

Packaging unit: 10 pieces

Required accessories: See last position

Part no. 41452



Required accessories for cable duct installation for AMP (type TWIST) Rutenbeck and TKM data port inserts: installation box, Tehalit part no. L 5819 and blind 100 mm channel height, single, Tehalit part no. L 9120 or blind 120 mm channel height, single, Tehalit part no. L 9170



suitable for Cepex panel mounted receptacles (= flush mounted receptacles)

Product group 8236 type 41404 shown Packaging unit: 5 pieces Weight 78g/piece

Part no. 41404



Spacer frame as a height equalizer, matching all wall mounted Cepex receptacles

Packaging unit: 25 pieces

Part no. 4191 grey Part no. 41915 schwarz



M25 / 2 x 8, for 2 cables 3–8 mm, matching all Cepex wall mounted receptacles,

grey RAL 7035

Packaging unit: 25 pieces

Part no. 41453