

Accessories

Accessories

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Overview of accessories

Like with other products from Weidmüller, choosing a Weidmüller accessory means you can obtain everything from one source.

Tools



... for pressing conductors into IDC terminals and pressing RJ45 contacts

- indentation tool
- pressing tool

Cable tester



... for detecting transmission errors in a network

- LAN USB Tester
- IE-CT

Tool case



for assembling

- SC-GOF
- ST-GOF

SlimFix marker for active components and cables



... for identifying conductors, plugs and devices

- Line markers
- housing and plug marker

Functional electronics: surge protection



... for protecting your network against transient interference

- Cat.5 or Cat.6
- freestanding, wall or terminal rail mounting

Functional electronics: switch-mode power supplies



... for supplying power to your network

- from 1 A to 20 A
- 24 V, single-phase

Dust-protection plugs



for protecting empty ports

- RJ45
- **STEADYTEC®** variants

Cabtite cable entry system



System-based cable entry

- Cable entry strips
- Cable grommets

Hydraulic hole punch

IE-KO-HAT



- Pressure-relief valve protects against overload
- Cylinder head angled 90°
- Angled head, 360° turnable
- Ergonomic handle springs back by itself
- Waste pieces no longer become jammed thanks to the three-way splitting
- Hydraulic punch made from high-strength aluminium (approx. 40 % weight savings)

Technical data

Maximum steel-sheet punching performance	
Round holes up to	Ø 85 mm
Round holes up to	Ø 64 mm
Square holes up to	68 x 68 mm
Rectangular holes up to	36 x 112 mm
Maximum stainless-steel-sheet punching performance	
Round holes up to	Ø 64 mm
Tool data	
Length / width / height	mm
Weight	kg
Punching force	kN
Max. operating pressure	bar
Including accessories (contents)	

IE-KO-HAT	
2.0 mm F = 370 N/mm ²	
3.0 mm F = 370 N/mm ²	
2.0 mm F = 370 N/mm ²	
2.0 mm F = 370 N/mm ²	
2.5 mm F = 600 N/mm ²	
290/120/70	
1.9	
75	
650	
1 hydraulic screw Ø 19 mm	
1 hydraulic screw Ø 19 x 9.5 mm	
1 HSS pre-drill Ø 10 mm	
1 spacer nut set (3-part)	
1 bridge	

Information

Ordering data

Version
Information

Type	Qty.	Order No.
IE-KO-HAT	1	1966810000

Custom stamp for Industrial Ethernet connections



Type	Description	Dimensions	Qty.	Order No.
IE-KOK-V1	Custom shape for Bajonet 01 metal	Ø 27 mm x single-sided 25.9 mm	1	1966780000
IE-KOK-V4	Custom shape for Push Pull V04 plastic	Ø 23.2 mm x double-sided 20.2 mm	1	1966790000
IE-KOK-V5	Custom shape for RockStar® V05 metal	22.0 x 22.0 mm	1	9204790000

Tools

Cutting tools

- Cutting formation for different cable sizes increases the quality of the cuts for smaller cross-sections
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Cutting without deformation of the conductor



KT 8



-  max. 8 mm
-  max. 16 mm²
-  max. 16 mm²
-  max. 16 mm²

Technical data

Max. cutting performance, copper cable	
Solid (max. conductor cross-section)	mm ² /-
Stranded (max. conductor cross-section)	mm ² /-
Flexible (max. conductor cross-section)	mm ² /-
Flexible, stranded (max. conductor diameter)	mm
Max. cutting performance, aluminium cable	
Stranded (max. conductor cross-section)	mm ² /-
Stranded (max. conductor diameter)	mm
solid	mm ²
Data / telephone / control cable	
Max. outer diameter	mm
Tool data	
Length / Width / Height	mm
Weight	g
Note	

KT8		
16 / 6		
16 / 6		
16 / 6		
8		
16 / 6		
8		
16		
8		
165 / 65 / 25		
180		
Tool closed		

Ordering data

Version
Note

Type	Qty.	Order No.
KT 8	1	9002650000

Stripping tools

IE-CST

1- and 2- step stripping in one operation



Stripping tool for round (shielded) data cables
of 2.5...8 mm ø

- Specially designed for Ethernet cables
- Strips sheathing and cuts shield in one operation
- Blue blade cartridge included in delivery

AM12



- Cutting of UTP and STP data cables and other flexible copper cables with a diameter of up to 4 mm² (~AWG11)
- Stripping of the outer insulations of UTP and STP data cables and other round cables with $\varnothing$ 0.5 ... 12.5 mm
- No damage to the shielding or conductor due to adjustable stripping blade
- Length gauge for repeated stripping lengths

Technical data

Max. cutting performance copper cable	
Cable model	
Conductor cross-section	AWG
Conductor diameter	mm
Adjustable depth of cut	mm
Cutting performance	
Non-shielded & shielded data cables	mm
Flexible copper cable	mm ²
Tool data	
Length	mm
Weight	g
Information	

Ordering data

Information

Accessories

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CST
coaxial & round data cables
2.5 ... 8
100
65

Type	Qty.	Order No.
IE-CST	1	9204350000

Type	Qty.	Order No.
Spare cutter cassette	1	9032020000

AM12
UTP and STP data cables
AWG 20 ... AWG 11
0.5 ... 12.5
adjustable
8
4
97
36

Type	Qty.	Order No.
AM 12	1	9030060000

Type	Qty.	Order No.

Tools

Special stripping tools

- Quick and accurate stripping
- No need to adjust cutting depth
- No damage to inner conductors

LWL-stripax



Stripping and cutting tool for plastic fibre-optic cables with 1-mm diameter inner conductor

- Stripping length adjustable via end stop
- Automatic opening of the clamping jaws after stripping

Technical data

Max. stripping performance	
Cable type	
Conductor diameter	-
Stripping length, max.	-
Tool data	
Length	mm
Weight	g
Note	

M-D-STRIPAX LWL	
POF conductor with an inner conductor of 1 mm Ø	
...1	
7.5	
135	
110	
POF: polymer optical fibre	

Ordering data

Version

Type	Qty.	Order No.
M-D-STRIPAX LWL	1	9003750000

Note

Note

Accessories

Note

Type	Qty.	Order No.
Spare stripping blades	1	9003760000

Insertion tool for twisted-pair cable

For connecting twisted-pair cable to terminal rails with IDC contacts e. g. in main and floor distributors, and in modular wall junction boxes for structured building cabling.

PDT



The punch-down tool has the following features:

- Mechanics made from metal components
- Adjustable pressing force for conductor sizes AWG 20 to AWG 28
- Different blades for connector blocks of type 110 from AT&T, type 66, type LSA Plus from Krone (Standard and scissors cutting function) as well as for telephone outlets 630A6
- Incision blades with 2 functions: incision or incision with cutting off of remaining conductor
- Storage compartment for one blade



- A = PD blade 110
 B = PD blade 66
 C = PD blade 630
 D = PD blade Krone LSA (standard)
 E = PD blade Krone LSA (scissor)

IE-FISP-V4



Fastening tool for the hexagon cap nut from **STEADYTEC®** V4 flange and FrontCom Micro.

Technical data

Length / Width / Height	mm
Weight	g
Note	

Ordering data

Version
Note

Accessories

Note

PUNCH DOWN TOOL PDT

160 / 37 / 29
 142

Type	Qty.	Order No.
PUNCH DOWN TOOL PDT	1	9013970000

(without blade)

Type	Qty.	Order No.
PD blade Krone LSA Plus (scissor)	1	9014050000
PD blade 110	1	9013960000
PD blade 630	1	9013990000
PD blade 66	1	9013980000
PD blade Krone LSA Plus (standard)	1	9014000000

Fixing tool

115 / 28 / 28
 21

Type	Qty.	Order No.
IE-FISP-V4	2	9204370000

Type	Qty.	Order No.

Tools

SEE ESD 120**Electronic ESD diagonal-cutting pliers with pointed head**

- Hard wire (spring wire or steel nails):
0.4 mm/AWG 26
- Semi-hard wire (iron or nails):
1.0 mm/AWG 18
- Soft wire (copper or aluminium):
1.5 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SEE ESD 120	1	9205130000

Technical data

Weight	90 g
--------	------

**SEE ESD 125****Electronic ESD diagonal-cutting pliers with oval head**

- Semi-hard wire (iron or nails):
0.8 mm/AWG 20
- Soft wire (copper or aluminium):
1.5 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SEE ESD 125	1	9204750000

Technical data

Weight	90 g
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**FZE ESD 130****Electronic ESD flat-nosed pliers****Ordering data**

Type	Qty.	Order No.
FZE ESD 130	1	9204760000

Technical data

Weight	90 g
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**SZE ESD 130****Electronic ESD Snipe-nosed pliers****Ordering data**

Type	Qty.	Order No.
SZE ESD 130	1	9204770000

Technical data

Weight	90 g
--------	------

**SVSE ESD 130****Electronic ESD angle -cutting pliers**

- Hard wire (spring wire or steel nails):
0.6 mm/AWG 22
- Semi-hard wire (iron or nails):
1.0 mm/AWG 18
- Soft wire (copper or aluminium):
1.2 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SVSE ESD 130	1	9205140000

Technical data

Weight	90 g
--------	------

**SUPER CUT****Electronic diagonal-cutting pliers**

- Soft wire (copper or aluminium):
1.2 mm/AWG 15

Ordering data

Type	Qty.	Order No.
SUPER CUT	1	9205150000

Technical data

Weight	78 g
--------	------

**KOF SET ESD****Electronic ESD case set**

Contents:

- Diagonal-cutting pliers
- Snipe-nosed pliers
- Flat-nose pliers
- Angle-cutting pliers

Ordering data

Type	Qty.	Order No.
KOF SET ESD	1	9205210000

Technical data

Weight	547 g
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Pressing tools

- Press (punch-down) tool for Ethernet connectors
- Ratchet for precise crimping.
- Release option in the event of incorrect operation

TT 8 RS MP 8



For 8-pole shielded RJ45 plug

AWG 27...24



Technical data

Description of contact	
No. of poles	
Tool data	
Length	mm
Weight	g
Note	

TT 8 RS MP 8	
8	
255	
1251	

Ordering data

Version

Type	Qty.	Order No.
TT 8 RS MP 8	1	9202800000

Note

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Tools

Crimping tools for other contacts

- Ratchet for precise crimping.
- Release option in the event of incorrect operation

IE-CT-SC-GOF / IE-CT-LC-GOF

Crimping tools for IP 67 plugs



- For fibre-optic SC/ST and IP 67 connectors
- For fibre-optic LC and IP 67 connectors

IE-CT-SC-POF / IE-CT-SC-GOF-P

Crimping tools for IP 67 plugs



- For polymer fibre-optic SC/ST and IP 67 connectors
- For fibre-optic, ProfiNet, Mobil cable SC/ST and IP 67 connectors



Technical data

Tool data
Length
Weight
Note

IE-CT-SC-GOF	IE-CT-LC-GOF
250	250
730	730

IE-CT-SC-POF	IE-CT-SC-GOF-P
250	250
730	730

Ordering data

Version
Note

Type	Qty.	Order No.
IE-CT-SC-GOF	1	9205320000
IE-CT-LC-GOF	1	9205330000

Type	Qty.	Order No.
IE-CT-SC-POF	1	9205340000
IE-CT-SC-GOF-P	1	9205350000

Accessories

Note

Type	Qty.	Order No.
IE-CTI-SC-GOF	1	9205280000
IE-CTI-LC-GOF	1	9205290000

Type	Qty.	Order No.
IE-CTI-SC-POF	1	9205300000
IE-CTI-SC-GOF-P	1	9205310000

Cable tester

LAN USB

IE-CT



Technical data

Functionality

Error display play
External voltage
Testable cable length
Supply type
Connection for core
Weight basic device
Dimensions basic device
Remote box weight
Remote box dimensions
Weight testbox
Dimensions testbox

Device for testing
Ethernet cables for:
line interruption
core interruption
short-circuits
examination of the twist

LED display

max. 1000 m
9V battery (Art. Nr.- 9004810000)
RJ 45; USB TypA; USB TypB
174 g
65 x 135 x 27 mm
30 g
65 x 28 x 27 mm

Device for testing
Ethernet cables for:
interference voltage
line interruption
core interruption
short-circuits
crossed wires
examination of the twist

7-segment display
80 V AC / DC
max. 1000 m
9 V battery
RJ45
185 g
70 x 140 x 36 mm

31 g
30 x 68 x 23 mm

Ordering data

Type	Qty.	Order No.
LAN USB TESTER	1	9205400000

Battery, accessories and bag included in delivery

Type	Qty.	Order No.
IE-CT	1	8808420000

9 V battery included

Accessories

Note



Assembly case for fibre-optic connectors

Our fibre-optic assembly case is an indispensable set for helping you to assemble fibre-optic cables on-site.

Contents:

- Crimping pliers for ST and SC plugs
- Kevlar shears
- Stripping tool for cable sheath and primary coating
- Stripping tool for secondary coating
- Fluorescent light with pluggable adapter
- Polishing and cleaning fluid
- Cleaning cloths
- Cleaning rod
- Polishing base support for pre-polishing and surface finishing
- Polishing foils
- Sapphire stylus
- Microscope, 100X magnification

Ordering data

Type	Qty.	Order No.
IE-CTC-SCST-GOF	1	1032030000

Accessories

Type	Qty.	Order No.
Accessory set for LC plugs	IE-CTC-AS-LC-GOF	1033350000
Accessory set for SC-POF plugs	IE-CTC-AS-SC-POF	1033360000

A detailed look at the new PrintJet PRO

The new PrintJet PRO is the epitome of the modern, innovative, high-tech printer generation. Aesthetically pleasing on the outside, it is packed full of advantageous product features that guarantee money savings and increased efficiency on the inside.

Cutting-edge technology

- Fast
- Colour printing
- Top-quality, resistant printing
- Flexible connection options, from LAN ports to USB ports



Reliability as standard

- Perfect for constant use
- Low-maintenance
- Ideal for large quantities
- High-capacity ink cartridges



The right choice for safety

- Water-based ink – no hazardous waste
- Environmentally friendly, no ozone emissions
- No odours
- Auto stop when printer is opened
- Low noise level



Ease of use

- Ergonomic due to pivoted display
- Choice of 10 languages
- Easy to replace ink cartridges
- Automatic MultiCard feed via integrated loader



Inkjet printer

PrintJet PRO

The **PrintJet PRO** inkjet printer prints markers for electric connectivity. These markers can be used for clear equipment identification on devices, cables and connectors. The labelling makes servicing, maintenance and troubleshooting much easier. Water-based ink is used for the black or spot colour printing. The print is crystal clear and resistant to environmental influences.

The **PrintJet PRO** prints plastic markers in **MultiCard** format. In combination with the userfriendly **M-Print® PRO** software and the attached loader, the printer becomes an essential part of the production. The inkjet process being used, the subsequent fusing, as well as the printer cartridge and ink have all been specially adapted by Weidmüller for industrial use. The printer has excellent long-term use capabilities, thanks to its integrated loader.



- Top-quality, resistant printing
- Spot colour print
- Perfect for constant use
- Integrated loader for 20 MultiCards
- Ideal for large quantities
- The display shows all relevant information
- Flexible connection options, from LAN ports to USB ports

Technical data

PrintJet PRO	
Type	PrintJet PRO
Application	Prints MultiCard markers
Technology	Inkjet process
Print quality	600 / 1.200 dpi
Printer drivers	Windows® 2000/XP/VISTA
Print software	M-Print® PRO
System requirements	Windows® 2000/XP/VISTA
Feed	Integrated loader
Fusing	Thermal fusing
Interface	USB, LAN
Power supply	AC 230 V or AC 115 V
Location	Office conditions
Ambient temperature	20° to 35 °C
Dimensions (L x W x H)	1060 x 500 x 310 mm
Weight	33 kg
Cartridge system	Ink cartridge, CMYK (480.000 characters, Arial font size 6)
Scope of supply	PrintJet printer, power cable, printer drivers, manuals (CD), USB cable, M-Print® PRO software

Ordering data

PrintJet PRO

Type	Order No.
PrintJet PRO 115V	1024050000
PrintJet PRO 230V	1001180001
Accessories	
PJ PRO TNTK INK SET BK	Ink tank starter set, black 1027090000
PJ PRO TNTK INK SET COL	Ink tank starter set, colour 1027110000
PJ PRO TNTK INK K	● Ink tank Black 1027040000
PJ PRO TNTK INK C	● Ink tank Cyan 1027050000
PJ PRO TNTK INK M	● Ink tank Magenta 1027060000
PJ PRO TNTK INK Y	● Ink tank Yellow 1027070000
PJ PRO TNTK FL	Ink tank fluid 1027080000
Ink tank PrintJet II	1858920000
Clean Unit PrintJet II	1858950000
Ink tank PrintJet	1797460000
Clean Unit PrintJet	4062150000

Markers for WaveLine components



For all Industrial Ethernet WaveLine components

- Switches
- Media converter
- Router

Ordering data

Type	Qty.	Order No.
WS 15/5 MC BLANK	480	1609880000

Note: Can be printed with PrintJet PRO.

Markers for IP67 and SAI components



For all Industrial Ethernet IP67 components

- Switches
- Remote I/Os
- Bluetooth

Ordering data

Type	Qty.	Order No.
ESG 8/13.5/43.3 SAI AU	100	1912130000

Note: Can be printed with PrintJet PRO.

Markers for cables and wires



SlimFix V0 for cables and wires

- Ø 4.7 to 6.8 mm SF5/21
- Ø 5.8 to 8.5 mm SF6/21

Ordering data

Type	Qty.	Order No.
VT SF 5/21 BLANK WS V0	160	1689470001
VT SF 6/21 BLANK WS V0	160	1730560001

Note: Can be printed with PrintJet PRO.

Markers for IE-Line **STEADYTEC**[®]



MultiCard ESG 9/11 K for IE-Line **STEADYTEC**[®]

- 9 x 11 mms
- white

Ordering data

Type	Qty.	Order No.
ESG 9/11K MC white	200	1857440000

Note: Can be printed with PrintJet PRO.

Cable markers and **STEADYTEC®**

TM-I for pre-assembled M12 cables



MultiCard markers for labelling transparent M12 TM-I sleeves

- Tag length: 18 mm
- Tag length: 4 mm

Ordering data

Type	Qty.	Order No.
TM-I 18 BLANK WS	320	1718431044

Note

Accessories

Type	Qty.	Order No.

Note: Can be printed with PrintJet PRO.

LM MT DIN A5 for IE-Line **STEADYTEC®**

Cable labels made from polyester:

- with a special coating for laser printers
- abrasion-resistant
- 168 labels/sheet
- 1 shipping unit = 10 sheets
- in six colours

Ordering data

Type		Qty.	Order No.
white	LM MT DIN A5 9/11 WS	10	1964070000
grey	LM MT DIN A5 9/11 GR	10	1964080000
orange	LM MT DIN A5 9/11 OR	10	1964090000
blue	LM MT DIN A5 9/11 BL	10	1964100000
yellow	LM MT DIN A5 9/11 GE	10	1964110000
green	LM MT DIN A5 9/11 GN	10	1964120000

Note

Accessories

Type		Qty.	Order No.
Marking pen	STI-Stift SW	10	0508401694

Note: self-adhesive, for labelling or printing

Dust-protection plugs for protecting empty ports

- RJ45
- **STEADYTEC®** variants

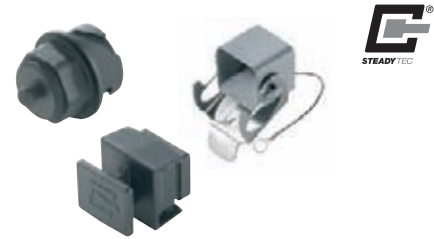
IE-DPC

Dust Cap RJ45



- Dust cap RJ45 with finger grip

IE Line with **STEADYTEC®**



- Protective caps for all **STEADYTEC®** variants

Ordering data

Note

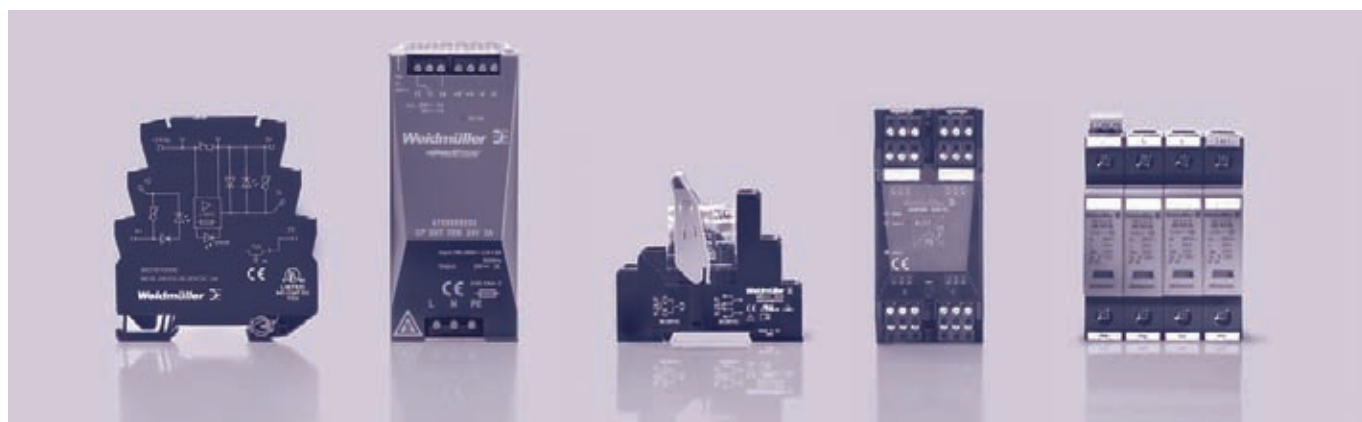
Type	Qty.	Order No.
IE-DPC	100	8813490000

Type	Qty.	Order No.
V1 Bayonet plug	10	1965690000
V1 Bayonet flange	10	1965700000
V4 PushPull plug	10	1963890000
V4 PushPull flange	10	1963900000
V5 HDC plug	10	1963690000
V5 HDC flange	10	1665750000
V14 PushPull plug	10	1058280000
V14 PushPull flange	10	1058310000

Functional electronics

This catalogue lists a small selection of surge protection and power supply products chosen from the functional electronics portfolio.

The complete offering of analogue signal converters, relays, optocouplers, power supplies, surge protectors, fieldbus components and interface units is listed in Catalogue 4 „Functional Electronics“.



Cat.5 surge protection

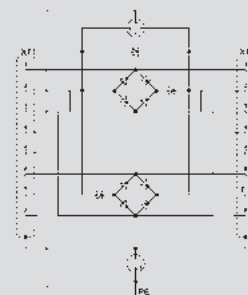
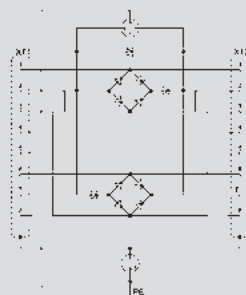
- Connection via RJ 45 sockets
- Protection for all signal lines
- Suitable for 10BaseTx and 100BaseTx
- PE connection via M4 screw

DME 100Tx-4RJ

Ethernet Cat.5

**DME 100Tx-4RJ TS 35**

Ethernet Cat.5

**Technical data**

Rated voltage (AC)
 max. continuous voltage, U_c (AC)
 Operating current, I_{max}
 Volume resistivity
 Build rate
 Response time
 Gas discharge tube
 Varistor
 Suppression diodes
 Cut-off frequency (-3 dB) at load impedance
 Discharge current, max. (8/20 μ s)
 Protection level on output side sym., input 1 kV/ μ s, typ.
 Protection level on output side sym., input 8/20 μ s, typ.
 Protection level on output side unsym., input 1 kV/ μ s, typ.
 Protection level on output side unsym., input 8/20 μ s, typ.
 Design
 Type of connection
 Ambient temperature (operational)
 Storage temperature

5 V
 7 V

 1.30 Ω

 ≤ 5 ns
 yes
 no
 yes

 2 kA
 40 V
 45 V
 450 V
 500 V
 Miscellaneous
 RJ45
 -20 °C ... 50 °C
 -25 °C ... 60 °C

5 V
 7 V

 1.30 Ω

 ≤ 5 ns
 yes
 no
 yes

 2 kA
 40 V
 45 V
 450 V
 500 V
 Miscellaneous
 RJ45
 -20 °C ... 50 °C
 -25 °C ... 60 °C

Dimensions

Clamping range (rating- / min. / max.) mm²
 Length x width x height mm

Note**RJ45**

51 x 47 x 22
 Data line protection for 10BaseT and 100BaseT

RJ45

55 x 64 x 22
 Data line protection for 10BaseT and 100BaseT

Ordering data**Version**

Type	Qty.	Order No.
DME100TX-4RJ	1	8738780000

Type	Qty.	Order No.
DME 100TX-4RJ TS35 Ether. Cat5	1	8830230000

Note**Accessories****Note**

Surge protection modules

1-stage overvoltage protection

The overvoltage protection is plugged in to protect the sensitive electronics in the signalling circuit.

The suppression circuit with varistor suppresses the induced voltage in solenoid valves.

The PE connection leaves the housing via a separate line. The green/yellow earthing cable must be connected to the system ear to ensure reliable discharge of interference pulses.

JPOVP Cat.5 M12

Ethernet Cat.5



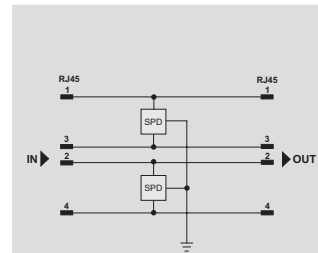
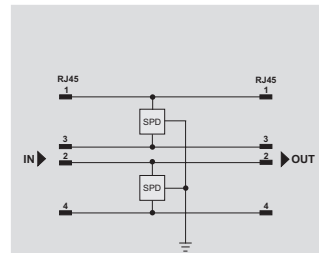
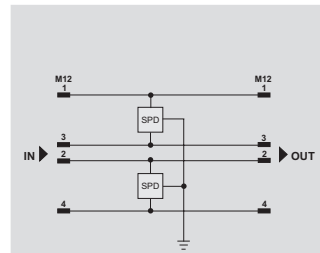
JPOVP Cat.6 IP20

Ethernet Cat.6



JPOVP Cat.6 IP67

Ethernet Cat.6



Technical data

Rated voltage	30 V AC/DC
Operating voltage (DC), max.	30 V
Rated discharge current per path (8/20 µs)	5 kA
Total discharge current, max. (8/20 µs)	10 kA
DC response voltage	230 V
Attenuation	< 0.3 dB at 250 Hz
Response time	≤ 5 ns
Rated current	0.2 A
Protection level, signal line, wire to wire/PE	130 V/600 V

Protection level, supply, wire to wire/PE

Leakage current at Un

General data

Operating temperature	-25 °C ... 60 °C
Overvoltage category	III
Pollution severity	2
Type of connection	to IEC 61076-2-101-AI; M12 - plug/plug, D-coded

Approvals

80 V/300 V

80 V/300 V

80 V/300 V

Maße

Length x width x height	mm
Note	

57 x 36 x 14.4
Each cable 1.5 m long

53 x 36 x 14.4
Each cable 1.5 m long

57 x 36 x 14.4
each with 1 m cable and IP67 cable gland

Ordering data

Version

Type	Qty.	Order No.
JPOVP M12 D-coded Cat5	1	8805570000

Note

Type	Qty.	Order No.
JPOVP RJ45 Cat6 IP20	1	8805550000

Type	Qty.	Order No.
JPOVP RJ45 Cat6 IP67	1	8805560000

Accessories

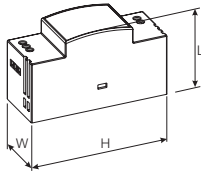
Note

Retaining clip
JP CLIP M 8778490000

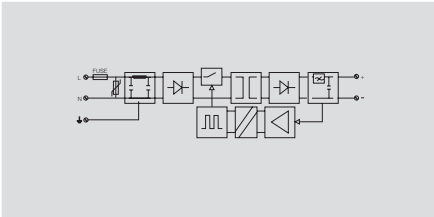
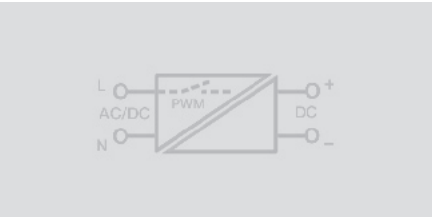
Retaining clip
JP CLIP M 8778490000

Retaining clip
JP CLIP M 8778490000

connectPower single phase
INSTAPOWER



CP SNT 24 W 24 V 1 A



Technical data

Input	
Input voltage	85...265 V AC, 120...300 V DC
Input current	460 mA @ 115 V AC; 250 mA @ 230 V AC
Input frequency	50/60 Hz
Making current limit	Thermistor
Input fuse	2 A slow-blow fuse (internal)
Surge protection	Varistor
Output	
Output voltage	24 V DC
Output current	1 A
max. output power	24 W
max. residual ripple	< 2 %
Overload protection	Surge / thermal cut-out
Surge protection	Varistor
Mains failure bridge-over time	35 ms @ 115 V AC / 160 ms @ 230 V AC
Control at 10...100 % load	0.5 %
max. capacitance at output	8000 µF
Insulation coordination	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-20 °C...+50 °C
Storage temperature	-40 °C...+85 °C
Degree of efficiency at max. load	78 %
Standards	EN 50178, EN 60950, IEC950
Approvals	CSA / CE / cULus
EMC standards	EN 61000-6 /-2, -3
Clamping range (rating- / min. / max.)	4 / 0,08 / 4
Length x width x height	62.5 x 52 x 90.5
Note	Derating loss: 33 % @ 60°C

Ordering data

Type	(Qty.=1)	Order No.
CP SNT 24W 24V 1A		9928890024
Note		

Accessories

Note

85...265 V AC, 120...300 V DC
460 mA @ 115 V AC; 250 mA @ 230 V AC
50/60 Hz
Thermistor
2 A slow-blow fuse (internal)
Varistor
24 V DC
1 A
24 W
< 2 %
Surge / thermal cut-out
Varistor
35 ms @ 115 V AC / 160 ms @ 230 V AC
0.5 %
8000 µF
0.5 kV
1.5 kV
3 kV
4 kV
-20 °C...+50 °C
-40 °C...+85 °C
78 %
EN 50178, EN 60950, IEC950
CSA / CE / cULus
EN 61000-6 /-2, -3

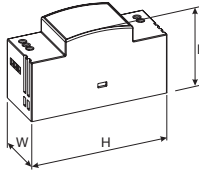
Type	(Qty.=1)	Order No.
CP SNT 24W 24V 1A		9928890024

Note		
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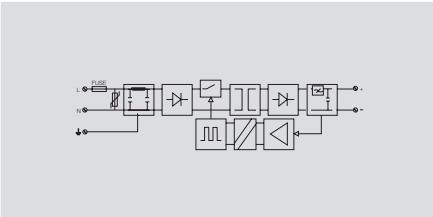
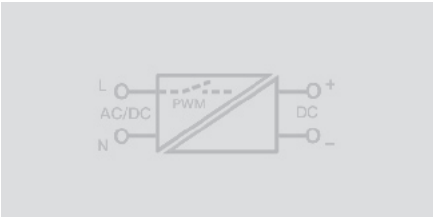
Note		
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Switch-mode power supply units

connectPower single phase
INSTAPOWER



CP SNT 48 W 24 V 2 A



Technical data

Input	
Input voltage	85...264 V AC / 110...370 V DC
Input current	500 mA for rated load @ 230 V AC
Input frequency	50/60 Hz
Making current limit	yes
Input fuse	Fusible link 2.5 A (T) / 250 V
Surge protection	
Output	
Output voltage	15...28 V DC (can be adjusted with potentiometer)
Output current	2 A
max. output power	48 W
max. residual ripple	120 mV _{SS}
Overload protection	105 %...150 % I _{load} of max. output power, automatic restart
Surge protection	Varistor
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Control at 10...100 % load	1 %
max. capacitance at output	8000 µF
Insulation coordination	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-10 °C...+70 °C (derating from 55 °C)
Storage temperature	-20 °C...+85 °C
Degree of efficiency at max. load	78 %
Standards	EN 60950 (SELV); EN 50178 (PELV)
Approvals	CE / UL 508 / cURus 60950 / GS / CSA / class 2 (UL 1310)
EMC standards	EN 55011 / EN 55022 / EN 61000-3-2, -3 / EN 61000-6-2, -3, -4
Clamping range (rating- / min. / max.)	2.5 / 0.5 / 4 mm ²
Length x width x height	62.5 x 70 x 90.5 mm
Note	

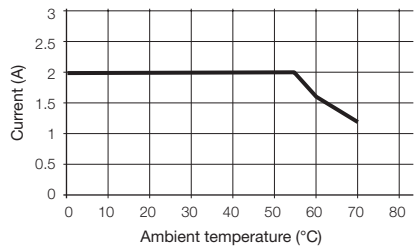
Ordering data

Type	Qty.	Order No.
CP SNT 48W 24V 2A	1	8739140000
Note		

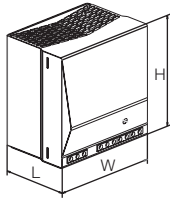
Accessories

Note

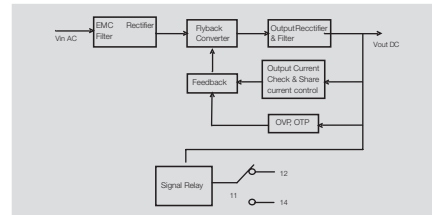
Derating curve



connectPower single phase ECOLINE



CP SNT 70 W 24 V 3 A



Technical data

Input

Input voltage
Input current
Input frequency
Input fuse
Surge protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Surge protection
Mains failure bridge-over time
Control at 10...100 % load
Parallel connection option
Status relay / Change-over contact

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Status indication
Standards
EMC standards
Mounting position horizontal
Installation advice
Weight
Approvals

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Note

Ordering data

Note

Accessories

Note

85...264 V AC / 110...370 V DC

2 A @ 100...240 V AC

50/60 Hz

Fusible link 2.5 A (T) / 250 V

Varistor

24...28 V DC (adjustable via potentiometer)

3 A

72 W

< 100 mV_{ss} / bandwidth 20 MHz

105 %...130 % I_{nom} of max. output power,
automatic restart

29...34 V

10 ms @ 115 V AC / 20 ms @ 230 V AC

< 2 %

recommended with diode module

250 V AC (max. 30 V DC) / 1 A

0.5 kV

1.5 kV

3 kV

-10 °C...+70 °C (derating from 55 °C)

-20 °C...+85 °C

80 %

green LED

EN 60950 (SELV)

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

on mounting rail TS 35

Clearance: above/below ≥ 3 cm

0,55 kg

CE / cULus 508 / cURus 60950 / GL / GOST

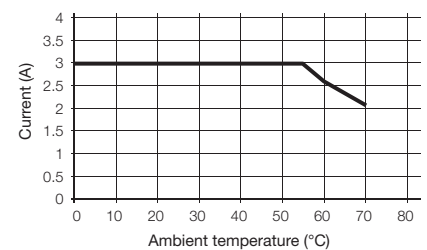
Screw connection

2.5 / 0.13 / 4

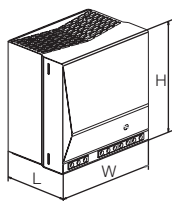
110 x 55.5 x 125

For redundancy operation or to maintain the alert function, only
operate with diode module.

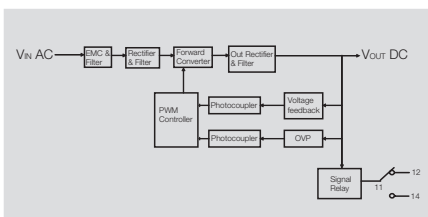
Derating curve



Switch-mode power supply units

connectPower single phase
ECOLINE

CP SNT 120 W 24 V 5 A



Technical data

Input

Input voltage
Input current
Input frequency
Input fuse
Surge protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Surge protection
Mains failure bridge-over time
Control at 10...100 % load
Parallel connection option
Status relay / Change-over contact

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Status indication
Standards
EMC standards
Mounting position horizontal
Installation advice
Weight
Approvals

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Note

88...132 V AC / 176...264 V AC selectable; 250...370 V DC
3 A @ 115 V AC / 2 A @ 230 V AC
50/60 Hz
Fusible link 4 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

5 A

120 W

< 100 mV_{ss} / bandwidth 20 MHz

105 %...130 % I_{load} of max. output power,
automatic restart

29...34 V

20 ms @ 115 V AC / 20 ms @ 230 V AC

< 2 %

recommended with diode module

250 V AC (max. 30 V DC) / 1 A

0.5 kV

1.5 kV

3 kV

-10 °C...+70 °C (derating from 55 °C)

-20 °C...+85 °C

84 %

green LED

EN 60950 (SELV)

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

on mounting rail TS 35

Clearance: above/below ≥ 3 cm

0,65 kg

CE / cULus 508 / cURus 60950 / GL / GOST

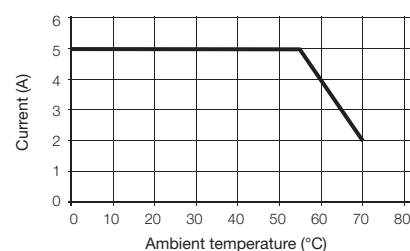
Screw connection

2.5 / 0.13 / 4

110 x 65.5 x 125

For redundancy operation or to maintain the alert function, only
operate with diode module.

Derating curve



Ordering data

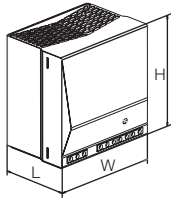
Type	Qty.	Order No.
CP SNT 120W 24V 5A	1	8708670000

Note

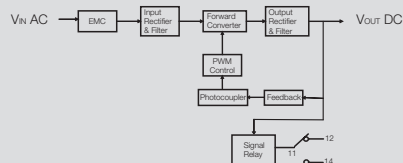
Accessories

Note

connectPower single phase ECOLINE



CP SNT 250 W 24 V 10 A



Technical data

Input

Input voltage
Input current
Input frequency
Input fuse
Surge protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Surge protection
Mains failure bridge-over time
Control at 10...100 % load
Parallel connection option
Status relay / Change-over contact

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Status indication
Standards
EMC standards
Mounting position horizontal
Installation advice
Weight
Approvals

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Note

88...132 V AC/176...264 V AC selectable; 250...370 V DC
3.6 A @ 115 V AC / 2 A @ 230 V AC
50/ 60 Hz
Fusible link 5 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

0.1...10 A

240 W

< 100 mV_{ss} / bandwidth 20 MHz

105 %...130 % I_{load} of max. output power,
automatic restart

30...36 V

10 ms @ 115 V AC / 15 ms @ 230 V AC

< 2 %

recommended with diode module

250 V AC (max. 30 V DC) / 1 A

0.5 kV

1.5 kV

3 kV

-10 °C...+70 °C (derating from 55 °C)

-20 °C...+85 °C

84 % @ 230 V AC

green LED

EN 60950 (SELV)

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

on mounting rail TS 35

Clearance: above/below ≥ 3 cm

1.6 kg

CE / cULus 508 / cURus 60950 / GL / GOST

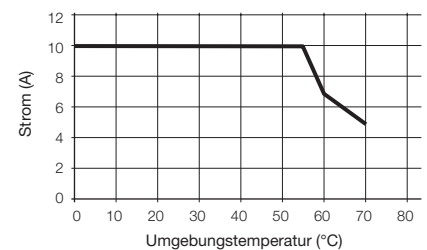
Screw connection

4 / 0.13 / 6

110 x 125.5 x 125

For redundancy operation or to maintain the alert function, only
operate with diode module.

Derating-Kurve



Ordering data

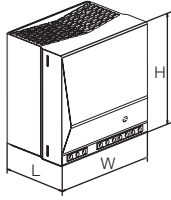
Type	Qty.	Order No.
CP SNT 250W 24V 10A	1	8708680000

Note

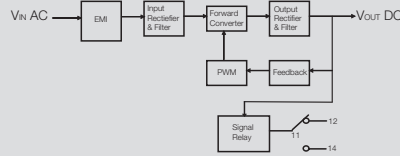
Accessories

Note

Switch-mode power supply units

connectPower single phase
ECOLINE

CP SNT 500 W 24 V 20 A



Technical data

Input

Input voltage
Input current
Input frequency
Input fuse
Surge protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Surge protection
Mains failure bridge-over time
Control at 10...100 % load
Parallel connection option
Status relay / Change-over contact

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Status indication
Standards
EMC standards
Mounting position horizontal
Installation advice
Weight
Approvals

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Note

88...132 V AC/176...264 V AC selectable; 250...370 V DC
9 A @ 115 V AC / 6 A @ 230 V AC
50/ 60 Hz
Fusible link 10 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)
2...20 A @ 200...240 V AC; 2...16 A @ 100...120 V AC
480 W
< 100 mV_{ss} / bandwidth 20 MHz
105 %...130 % I_{nom} of max. output power,
automatic restart
30...36 V
10 ms @ 115 V AC / 15 ms @ 230 V AC
< 2 %
recommended with diode module
250 V AC (max. 30 V DC) / 1 A

0.5 kV
1.5 kV
3 kV

-10 °C...+70 °C (derating from 55 °C)
-20 °C...+85 °C
86 %
green LED
EN 60950 (SELV)
EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
on mounting rail TS 35
Clearance: above/below ≥ 3 cm
2 kg
CE / cULus 508 / cURus 60950 / GL / GOST

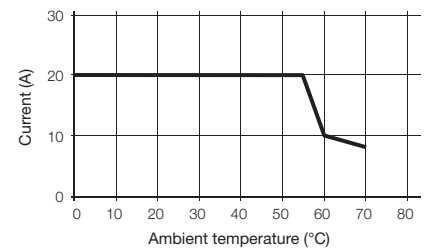
Screw connection

4 / 0.13 / 6

110 x 227.5 x 125

For redundancy operation or to maintain the alert function, only
operate with diode module.

Derating curve



Ordering data

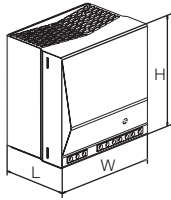
Type	Qty.	Order No.
CP SNT 500W 24V 20A	1	8778870000

Note

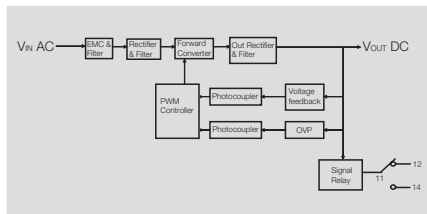
Accessories

Note

connectPower single phase ECOLINE



CP SNT 1000 W 24 V 40 A



Technical data

Input

Input voltage
Input current
Input frequency
Input fuse
Surge protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Surge protection
Mains failure bridge-over time
Control at 10...100 % load
Parallel connection option
Status relay / Change-over contact

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Status indication
Standards
EMC standards
Mounting position horizontal
Installation advice
Weight
Approvals

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Note

85...264 V AC
12 A @ 115 V AC / 4.8 A @ 230 V AC
50/60 Hz
Fusible link 15 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)
40 A
960 W
< 100 mV_{ss} / bandwidth 20 MHz
105 %...130 % I_{nom} of max. output power,
automatic restart
29...34 V
20 ms @ 115 V AC / 20 ms @ 230 V AC
< 2 %
recommended with diode module
250 V AC (max. 30 V DC) / 1 A

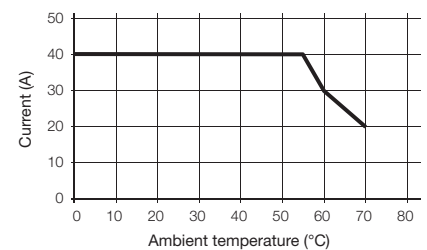
0.5 kV
1.5 kV
3 kV

-10 °C...+70 °C (derating from 55 °C)
-20 °C...+85 °C
89 %
green LED
EN 60950 (SELV)
EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
on terminal rail TS 35
Clearance: above/below ≥ 3 cm
4.4 kg
CE / UL in preparation / GOST

Screw connection

4 / 0.13 / 6
125 x 240 x 150
For redundancy operation or to maintain the alert function, only
operate with diode module.

Derating curve



Ordering data

Type	Qty.	Order No.
CP SNT 1000W 24V 40A	1	8862780000

Note

Accessories

Note

Cabtite cable entry system

HDC KT ...

Cable grommets, small



Technical data

Material, grey	free from elastomers, halogens and silicone
Material, black	elastomers with very high chemical resistance
Temperature range	-20°C ... 80°C
UL 94 flammability rating	V0

Ordering data

Type	Clamping range [mm]	Qty.	Order No. grey	Order No. black
HDC KT 5	5-6	10	1826480000	1827810000
HDC KT 6	6-7	10	1826490000	1827830000
HDC KT 7	7-8	10	1826500000	1827840000
HDC KT 8	8-9	10	1826510000	1827850000
Blanking plugs, small				
HDC BTK		10	1828170000	1828200000

KVT 32

KVT 32 and locknut for D-Sub 9



KVT 32

Locknut for D-Sub 9
KGM-SUB-D9

Technical data

Material	Polyamide, free from halogens and silicone
Class of protection	IP54, when the correct cable grommet is selected
Temperature range	-5 °C ... 70 °C
UL 94 flammability rating	V0

Ordering data

Type	Thread	For grommet small large	Qty.	Order No. white	Order No. black
HDC KVT 32	M 32 x 1.5	1 -	10	1826670000	1828270000
Locknut for D-Sub 9					
KGM-SUB-D9	M 32 x 1.5		10	1828250000	1828300000

Note: Please refer to catalogue 5 for the complete range.

HDC KEL 16

Cable entry strip

KEL 16/8 with 8 small grommets



KEL 16/4 with closed half-shell for 4 small grommets



Snap frame
KEL 16 SNAP



Technical data

Material	Polyamide, halogenfree, siliconfree
Colour	black
Temperature range	-20°C ... 80°C
Ingress protection class	IP 54, when correct cable grommet is used
UL 94 flammability rating	V0

Ordering data

Type	No. of grommet positions		Qty.	Order No. black
	small	large		
HDC KEL 16/8	8	-	10	1825910000
HDC KEL 16/4	4	-	10	1825900000
Blanking plugs, small				
HDC KEL 16 SNAP			10	1827770000