

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



AM12



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

- 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 ø 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

Type	Qty.	Order No.
IE-CST	1	9204350000

Information

Accessories

Type	Qty.	Order No.
Spare cutter cassette	1	9032020000

Information

CST	
coaxial & round data cables	
2.5 ... 8	

Information

Type	Qty.	Order No.
IE-CST	1	9204350000

Type	Qty.	Order No.
Spare cutter cassette	1	9032020000

Information

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

Information

Type	Qty.	Order No.
AM 12	1	9030060000

Type	Qty.	Order No.
Spare cutter cassette	1	9032020000

Information

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	
Cable type	POF conductor with an inner conductor of 1 mm Ø
Conductor diameter	...1
Stripping length, max.	7.5
Length	135
Weight	110
Note	POF: polymer optical fibre

Ordering data

Version
Note

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

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

IE-FISP-V4



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



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

Technical data

Length / Width / Height	mm
Weight	g
Note	

PUNCH DOWN TOOL PDT		
Length / Width / Height	mm	160 / 37 / 29
Weight	g	142
Note		

Fixing tool		
Length / Width / Height	mm	115 / 28 / 28
Weight	g	21
Note		

Ordering data

Version	
Note	

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

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

Accessories

Note	
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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
Note		

Type	Qty.	Order No.
Note		

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
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**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	
No. of poles	8
Length	255
Weight	1251
Note	

Ordering data

Version
Note

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

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

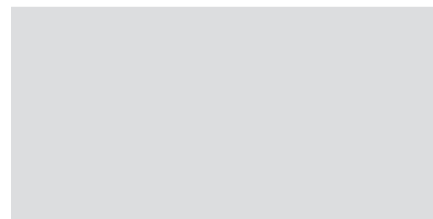
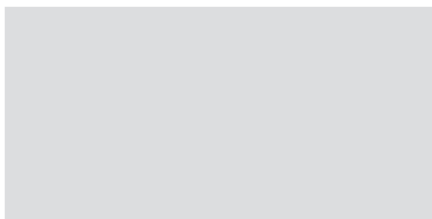
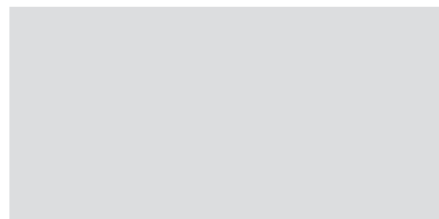
Type	Qty.	Order No.
IE-CTI-SC-GOF	1	9205280000
IE-CTI-LC-GOF	1	9205290000

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 tery	
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

Type	Qty.	Order No.
LAN USB TESTER	1	9205400000

Type	Qty.	Order No.
IE-CT	1	8808420000

Note	
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Battery, accessories and bag included in delivery	
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9 V battery included	
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Accessories

Note	
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Tool case



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
PJ PRO TNTK INK SET COL	Ink tank starter set, colour
PJ PRO TNTK INK K	● Ink tank Black
PJ PRO TNTK INK C	● Ink tank Cyan
PJ PRO TNTK INK M	● Ink tank Magenta
PJ PRO TNTK INK Y	● Ink tank Yellow
PJ PRO TNTK FL	Ink tank fluid
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

Type	Qty.	Order No.
IE-DPC	100	8813490000

Note

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

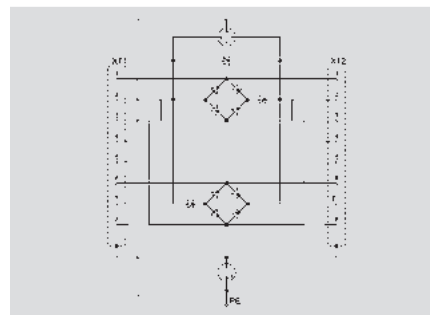
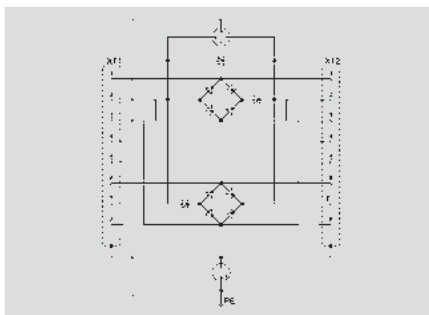
DME 100Tx-4RJ

Ethernet Cat.5



DME 100Tx-4RJ TS 35

Ethernet Cat.5



Technical data

Rated voltage (AC)	5 V
max. continuous voltage, U _c (AC)	7 V
Operating current, I _{max}	
Volume resistivity	1.30 Ω
Build rate	
Response time	≤ 5 ns
Gas discharge tube	yes
Varistor	no
Suppression diodes	yes
Cut-off frequency (-3 dB) at load impedance	
Discharge current, max. (8/20 μs)	2 kA
Protection level on output side sym., input 1 kV/μs, typ.	40 V
Protection level on output side sym., input 8/20 μs, typ.	45 V
Protection level on output side unsym., input 1kV/μs, typ.	450 V
Protection level on output side unsym., input 8/20 μs, typ.	500 V
Design	Miscellaneous
Type of connection	RJ45
Ambient temperature (operational)	-20 °C ... 50 °C
Storage temperature	-25 °C ... 60 °C

Rated voltage (AC)	5 V
max. continuous voltage, U _c (AC)	7 V
Operating current, I _{max}	
Volume resistivity	1.30 Ω
Build rate	
Response time	≤ 5 ns
Gas discharge tube	yes
Varistor	no
Suppression diodes	yes
Cut-off frequency (-3 dB) at load impedance	
Discharge current, max. (8/20 μs)	2 kA
Protection level on output side sym., input 1 kV/μs, typ.	40 V
Protection level on output side sym., input 8/20 μs, typ.	45 V
Protection level on output side unsym., input 1kV/μs, typ.	450 V
Protection level on output side unsym., input 8/20 μs, typ.	500 V
Design	Miscellaneous
Type of connection	RJ45
Ambient temperature (operational)	-20 °C ... 50 °C
Storage temperature	-25 °C ... 60 °C

Rated voltage (AC)	5 V
max. continuous voltage, U _c (AC)	7 V
Operating current, I _{max}	
Volume resistivity	1.30 Ω
Build rate	
Response time	≤ 5 ns
Gas discharge tube	yes
Varistor	no
Suppression diodes	yes
Cut-off frequency (-3 dB) at load impedance	
Discharge current, max. (8/20 μs)	2 kA
Protection level on output side sym., input 1 kV/μs, typ.	40 V
Protection level on output side sym., input 8/20 μs, typ.	45 V
Protection level on output side unsym., input 1kV/μs, typ.	450 V
Protection level on output side unsym., input 8/20 μs, typ.	500 V
Design	Miscellaneous
Type of connection	RJ45
Ambient temperature (operational)	-20 °C ... 50 °C
Storage temperature	-25 °C ... 60 °C

Dimensions

Clamping range (rating- / min. / max.)	mm ²
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 earth to ensure reliable discharge of interference pulses.

JPOVP Cat.5 M12

Ethernet Cat.5



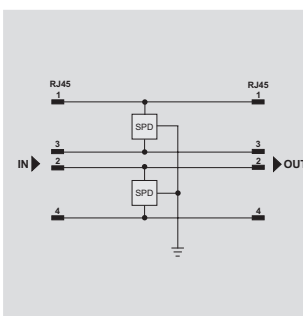
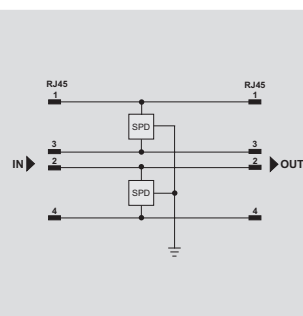
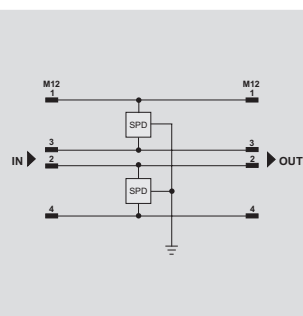
JPOVP Cat.6 IP20

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	80 V/300 V

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	80 V/300 V

Rated voltage	34 V AC / 48 V DC
Operating voltage (DC), max.	48 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	80 V/300 V

Rated voltage	34 V AC / 48 V DC
Operating voltage (DC), max.	48 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	80 V/300 V

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	CE

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	CE

Operating temperature	-25 °C ... 60 °C
Overvoltage category	III
Pollution severity	2
Type of connection	RJ45 plug; IP20
Approvals	CE

Operating temperature	-25 °C ... 60 °C
Overvoltage category	III
Pollution severity	2
Type of connection	RJ45 plug; IP67
Approvals	CE

Maße

Length x width x height	mm	57 x 36 x 14.4
Note		Each cable 1.5 m long

Length x width x height	mm	57 x 36 x 14.4
Note		Each cable 1.5 m long

Length x width x height	mm	53 x 36 x 14.4
Note		Each cable 1.5 m long

Length x width x height	mm	57 x 36 x 14.4
Note		each with 1 m cable and IP67 cable gland

Ordering data

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

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

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

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

Accessories

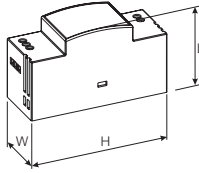
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Note	Retaining clip JP CLIP M 8778490000
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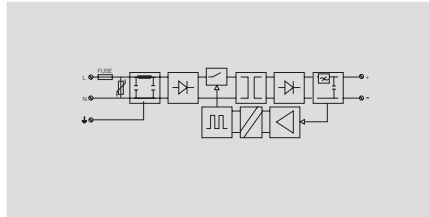
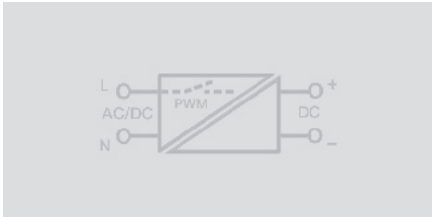
Note	Retaining clip JP CLIP M 8778490000
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Note	Retaining clip JP CLIP M 8778490000
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connectPower single phase
INSTAPOWVER



CP SNT 24 W 24 V 1 A



Technical data

Input

Input voltage
Input current
Input frequency
Making current limit
Input fuse
Surge protection

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

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
max. capacitance at output

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

Insulation coordination

Electrical isolation, output-earth
Electrical isolation, input-earth
Electrical isolation, input-output
Electrical isolation, I/O rail

0.5 kV
1.5 kV
3 kV
4 kV

General data

Ambient temperature (operational)
Storage temperature
Degree of efficiency at max. load
Standards
Approvals
EMC standards

-20 °C...+50 °C
-40 °C...+85 °C
78 %
EN 50178, EN 60950, IEC950
CSA / CE / cULus
EN 61000-6 /-2, -3

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

Screw connection

4 / 0,08 / 4
62.5 x 52 x 90.5
Derating loss: 33 % @ 60°C

Note

Ordering data

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

Note

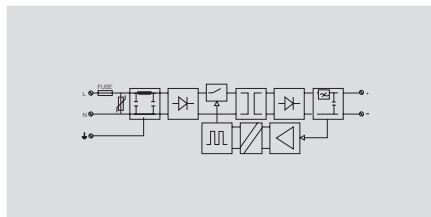
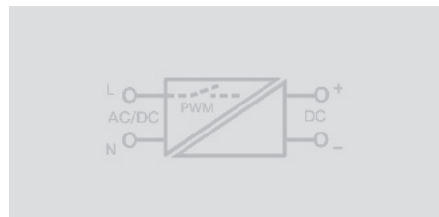
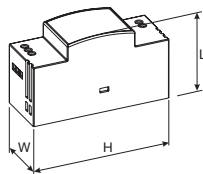
Accessories

Note

Switch-mode power supply units

connectPower single phase INSTAPOWER

CP SNT 48 W 24 V 2 A



E

Technical data

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

Clamping range (rating- / min. / max.)	mm ²
Length x width x height	mm
Note	

Ordering data

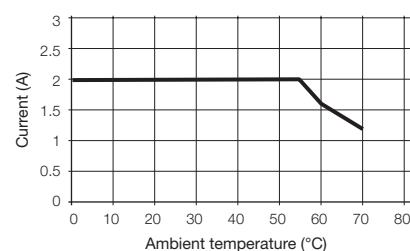
Type	Qty.	Order No.
CP SNT 48W 24V 2A	1	8739140000

Note

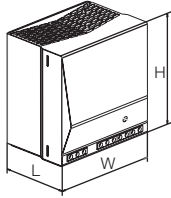
Accessories

Note

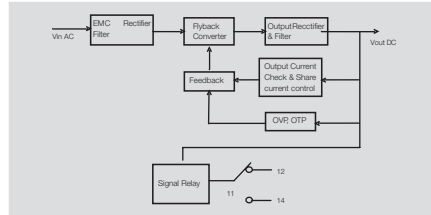
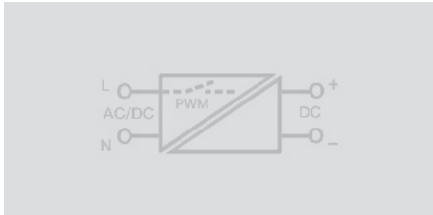
Derating curve



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.)	mm ²
Length x width x height	mm

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

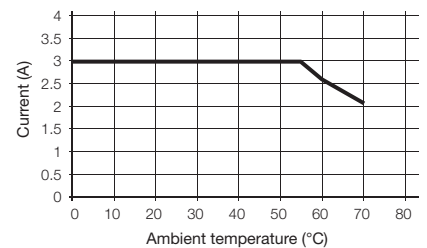
Screw connection

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



Ordering data

Type	Qty.	Order No.
CP SNT 70W 24V 3A	1	8708660000

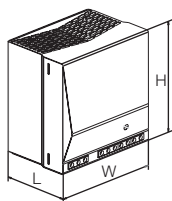
Note

Accessories

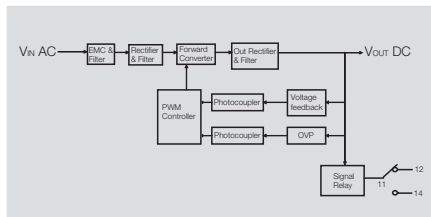
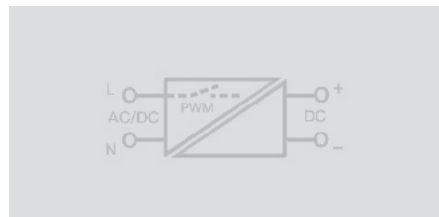
Note

Switch-mode power supply units

connectPower single phase ECOLINE



CP SNT 120 W 24 V 5 A



E

Technical data

Input	
Input voltage	88...132 V AC / 176...264 V AC selectable; 250...370 V DC
Input current	3 A @ 115 V AC / 2 A @ 230 V AC
Input frequency	50/60 Hz
Input fuse	Fusible link 4 A (T) / 250 V
Surge protection	Varistor
Output	
Output voltage	24...28 V DC (adjustable via potentiometer)
Output current	5 A
max. output power	120 W
max. residual ripple	< 100 mV _{ss} / bandwidth 20 MHz
Overload protection	105 %...130 % I _{nominal} of max. output power, automatic restart
Surge protection	29...34 V
Mains failure bridge-over time	20 ms @ 115 V AC / 20 ms @ 230 V AC
Control at 10...100 % load	< 2 %
Parallel connection option	recommended with diode module
Status relay / Change-over contact	250 V AC (max. 30 V DC) / 1 A
Insulation coordination	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 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	84 %
Status indication	green LED
Standards	EN 60950 (SELV)
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
Mounting position horizontal	on mounting rail TS 35
Installation advice	Clearance: above/below ≥ 3 cm
Weight	0,65 kg
Approvals	CE / cULus 508 / cURus 60950 / GL / GOST
Screw connection	
Clamping range (rating- / min. / max.)	2.5 / 0.13 / 4 mm ²
Length x width x height	110 x 65.5 x 125 mm
Note	
For redundancy operation or to maintain the alert function, only operate with diode module.	

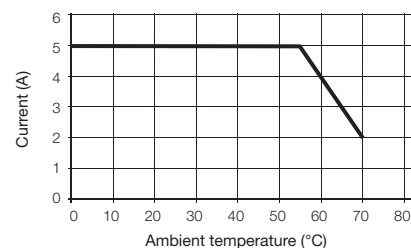
Ordering data

Note	
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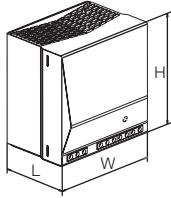
Accessories

Note	
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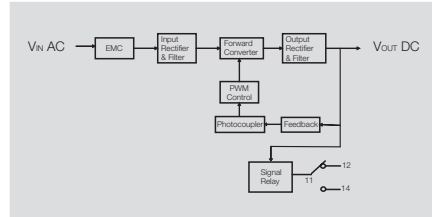
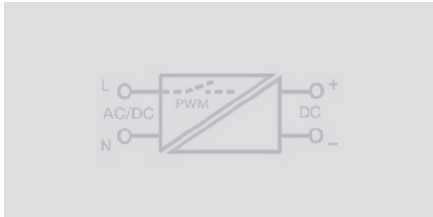
Derating curve



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.)	mm ²
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_{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

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

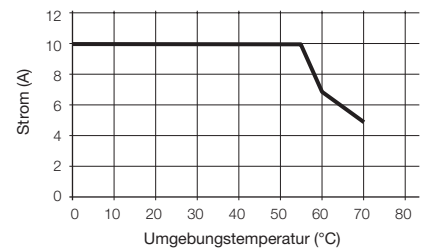
Screw connection

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

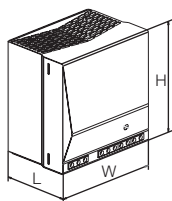
Note

Accessories

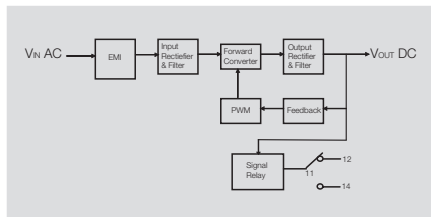
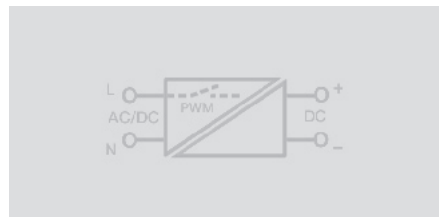
Note

Switch-mode power supply units

connectPower single phase ECOLINE



CP SNT 500 W 24 V 20 A



Technical data

Input	
Input voltage	88...132 V AC/176...264 V AC selectable; 250...370 V DC
Input current	9 A @ 115 V AC / 6 A @ 230 V AC
Input frequency	50/ 60 Hz
Input fuse	Fusible link 10 A (T) / 250 V
Surge protection	Varistor
Output	
Output voltage	24...28 V DC (adjustable via potentiometer)
Output current	2...20 A @ 200...240 V AC; 2...16 A @ 100...120 V AC
max. output power	480 W
max. residual ripple	< 100 mV _{ss} / bandwidth 20 MHz
Overload protection	105 %...130 % I _{nom} of max. output power, automatic restart
Surge protection	30...36 V
Mains failure bridge-over time	10 ms @ 115 V AC / 15 ms @ 230 V AC
Control at 10...100 % load	< 2 %
Parallel connection option	recommended with diode module
Status relay / Change-over contact	250 V AC (max. 30 V DC) / 1 A
Insulation coordination	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 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	86 %
Status indication	green LED
Standards	EN 60950 (SELV)
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3
Mounting position horizontal	on mounting rail TS 35
Installation advice	Clearance: above/below ≥ 3 cm
Weight	2 kg
Approvals	CE / cULus 508 / cURus 60950 / GL / GOST
Screw connection	
Clamping range (rating- / min. / max.)	4 / 0.13 / 6 mm ²
Length x width x height	110 x 227.5 x 125 mm
Note	
For redundancy operation or to maintain the alert function, only operate with diode module.	

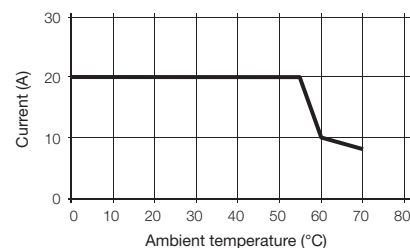
Ordering data

Note	
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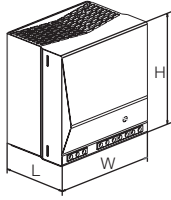
Accessories

Note	
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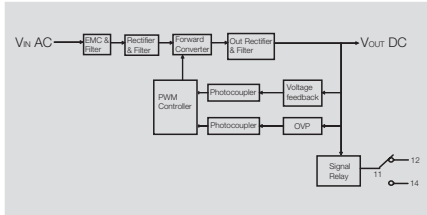
Derating curve



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_{nominal} 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.

Ordering data

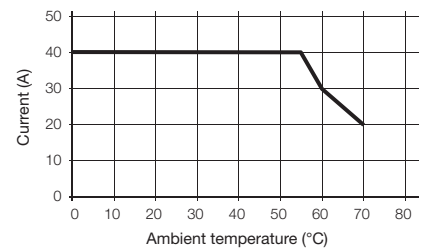
Type	Qty.	Order No.
CP SNT 1000W 24V 40A	1	8862780000

Note

Accessories

Note

Derating curve



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

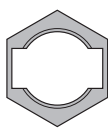
Type	Clamping range [mm]	Qty.	Order No. grey	Order No. black
HDC KT 5	5-6	10	1826480000	1827810000
HDC KT 6	6-7	10	1826490000	1827830000
HDC KT 7	7-8	10	1826500000	1827840000
HDC KT 8	8-9	10	1826510000	1827850000
Blanking plugs, small				
HDC BTK		10	1828170000	1828200000

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