IEC Appliance Inlet C14 with modular extended Components
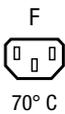
6421.005X.XX
Appliance inlet
Appliance outlet

6431.005X.XX
Appliance inlet
Switch
Appliance outlet

6432.0X5X.XX
Appliance inlet
Fuseholder
Switch
Appliance outlet

C14   F

70° C   70° C

Approvals and Compliances

Description
- Panel Mount :
  Snap-in version , from front side
- 2 - 5 Functions :
  Appliance Inlet , Protection class I , Outlet , Line Switch 2-pole , Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole , Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm

Characteristics
- Modular component selection
- Individual components soldered on a printed circuit board
- Plug removal necessary for fuse-link replacement
- Fully insulated from the rear
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request
- Line switch with other rocker marking

References
Alternative: version with line filter   Felcom 54

Weblinks
pdf datasheet, html-datasheet, General Product Information, Distributor-Stock-Check, Accessories, Detailed request for product

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	10 A / 125/250 VAC; 60 Hz
Allowable Operation Temperature	-25 °C to 70 °C
Insulation cover	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm , tin-plated
Panel Thickness S	Snap-in: 1/1.2/1.5/2/2.5/3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

appliance inlet/-outlet	C14 acc. to IEC 60320-1 and F acc. to UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker switch 2-pole, non-illuminated, IEC 61058-1 Technical Details

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in   Details about Approvals

Approvals
The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: Felcom

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40028094
	UL Approvals	UL	UL File Number: E103791, E96454

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
IEC	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
IEC	Designed according to	IEC 61058-1	Switches for appliances. Part 1. General requirements
UL	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
CSA Group	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.
IEC	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC	Designed for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS COMPLIANT	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
China RoHS	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimensions [mm]
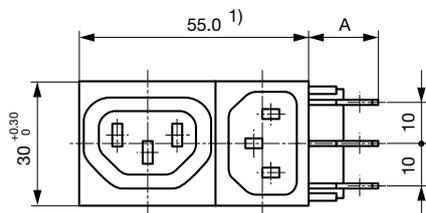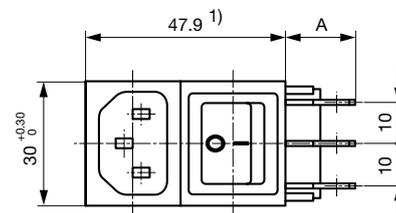

Variants 6421.005X.XX
Mounting hole: 53.6$^{+0,2}$ x 27.6$^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 17.1 mm
A: Solder terminal 3.5x0.8 mm: 12.3 mm

Variants 6422.005X.XX
Mounting hole: 46.7$^{+0,2}$ x 27.6$^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.1 mm
A: Solder terminal 3.5x0.8 mm: 13.3 mm

Variants 6423.0X5X.XX
Mounting hole: $65.5^{+0,2}$ x $27.6^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.15 mm
A: Solder terminal 3.5x0.8 mm: 13.35 mm

Variants 6424.0X5X.XX
Mounting hole: $57^{+0,2}$ x $27.6^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.1 mm
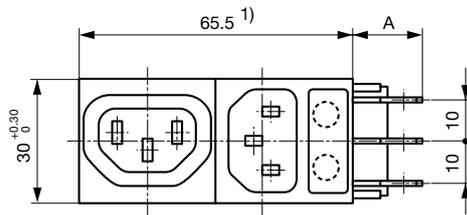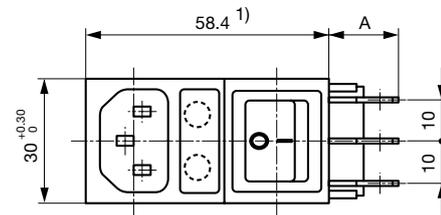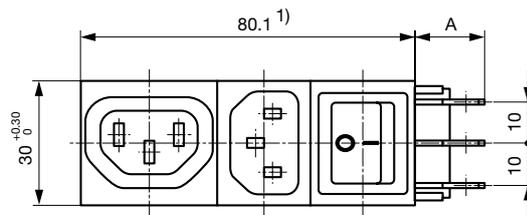A: Solder terminal 3.5x0.8 mm: 13.3 mm

Variants 6431.005X.XX
Mounting hole: $80.1^{0/+0.2}$ x $27.6^{0/+0.2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.1 mm
A: Solder terminal 3.5x0.8 mm: 13.3 mm

Variants 6432.0X5X.XX
Mounting hole: $90.6^{+0,2}$ x $27.6^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.1 mm
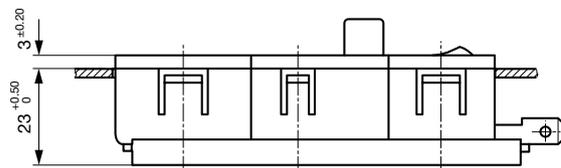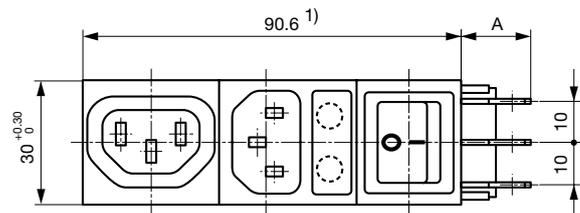A: Solder terminal 3.5x0.8 mm: 13.3 mm

1) In an uninstalled state the total length of the combinations may be slightly bigger than the nominal dimension. However, they can always be installed in the specified mounting cutouts.

Diagrams

6421

1) Load 2
2) Load 1

6422

1) Line
2) Load 1

6423

1) Load 2
2) Load 1

6424

1) Line
2) Load 1

6431

1) Load 2
2) Load 1

6432

1) Load 2
2) Load 1
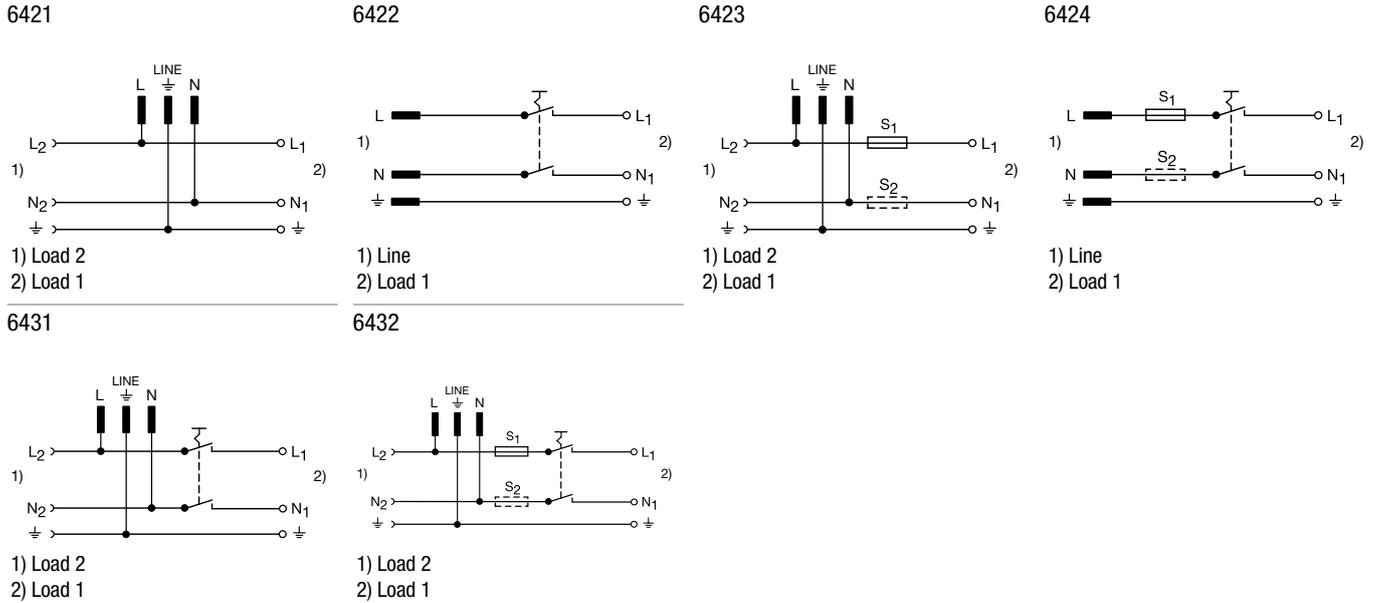
Derating Curves
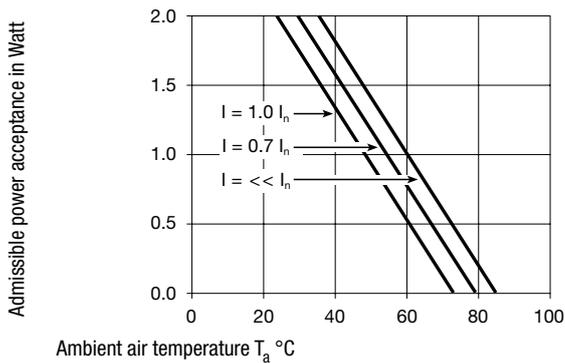
1-pole

2-pole
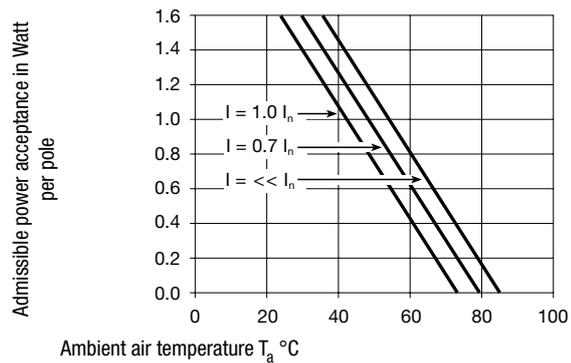
Ordering instructions

64 XX.0X5X.XX

"Snap-in" panel thickness
10 = 1,0 mm
12 = 1,2 mm
15 = 1,5 mm
20 = 2,0 mm
25 = 2,5 mm
30 = 3,0 mm

Connection
51 = solder terminals 3,5 x 0,8 mm
53 = quick connect terminals 6,3 x 0,8 mm

Fuseholder 5 x 20 mm
00 = without fuseholder
01 = 1-pole
02 = 2-pole

Module combination
21 = Appliance inlet, outlet
22 = Appliance inlet, switch
23 = Appliance inlet, fuseholder, outlet
24 = Appliance inlet, fuseholder, switch
31 = Appliance inlet, outlet, switch
32 = Appliance inlet, fuseholder, outlet, switch

Base model

All Variants

Type	Connectors	Connector	Line Switch	Fuseholder	connection type	Panel Thickness s [mm]	Order Number	
Felcom 64	C14	-	-	-	Solder terminals 3.5 x 0.8 mm	1.5	6455.0051.15	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	1.0	6422.0053.10	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	1.2	6422.0053.12	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	1.5	6422.0053.15	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	2.0	6422.0053.20	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	2.5	6422.0053.25	
Felcom 64	C14	-	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	3.0	6422.0053.30	
Felcom 64	C14	-	2-pole	-	Solder terminals 3.5 x 0.8 mm	1.2	6422.0051.12	
Felcom 64	C14	-	2-pole	-	Solder terminals 3.5 x 0.8 mm	1.5	6422.0051.15	
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.0	6424.0153.10	
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.2	6424.0153.12	
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6424.0153.15	▌
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6424.0153.20	▌
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	2.5	6424.0153.25	
Felcom 64	C14	-	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	3.0	6424.0153.30	
Felcom 64	C14	-	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	1.0	6424.0151.10	
Felcom 64	C14	-	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	1.2	6424.0151.12	
Felcom 64	C14	-	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	1.5	6424.0151.15	
Felcom 64	C14	-	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	2.0	6424.0151.20	
Felcom 64	C14	-	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	3.0	6424.0151.30	
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.0	6424.0253.10	
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.2	6424.0253.12	▌
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6424.0253.15	▌
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6424.0253.20	▌
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	2.5	6424.0253.25	
Felcom 64	C14	-	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	3.0	6424.0253.30	▌
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	1.0	6424.0251.10	
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	1.2	6424.0251.12	
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	1.5	6424.0251.15	▌
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	2.0	6424.0251.20	
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	2.5	6424.0251.25	
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	3.0	6424.0251.30	
Felcom 64	C14	-	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm	3.0	6424.0250.30	
Felcom 64	C14	F	-	-	Quick connect terminals 6.3 x 0.8 mm	1.2	6421.0053.12	
Felcom 64	C14	F	-	-	Quick connect terminals 6.3 x 0.8 mm	1.5	6421.0053.15	
Felcom 64	C14	F	-	-	Quick connect terminals 6.3 x 0.8 mm	2.0	6421.0053.20	
Felcom 64	C14	F	-	-	Quick connect terminals 6.3 x 0.8 mm	2.5	6421.0053.25	
Felcom 64	C14	F	-	-	Quick connect terminals 6.3 x 0.8 mm	3.0	6421.0053.30	
Felcom 64	C14	F	-	-	Solder terminals 3.5 x 0.8 mm	1.0	6421.0051.10	
Felcom 64	C14	F	-	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.2	6423.0153.12	
Felcom 64	C14	F	-	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6423.0153.15	
Felcom 64	C14	F	-	1-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6423.0153.20	
Felcom 64	C14	F	-	1-pole	Solder terminals 3.5 x 0.8 mm	1.5	6423.0151.15	
Felcom 64	C14	F	-	1-pole	Solder terminals 3.5 x 0.8 mm	2.5	6423.0151.25	
Felcom 64	C14	F	-	1-pole	Solder terminals 3.5 x 0.8 mm	3.0	6423.0151.30	
Felcom 64	C14	F	-	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.0	6423.0253.10	

Type	Connectors	Connector	Line Switch	Fuseholder	connection type	Panel Thickness s [mm]	Order Number
Felcom 64	C14	F	-	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6423.0253.15
Felcom 64	C14	F	-	2-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6423.0253.20
Felcom 64	C14	F	-	2-pole	Quick connect terminals 6.3 x 0.8 mm	3.0	6423.0253.30
Felcom 64	C14	F	-	2-pole	Solder terminals 3.5 x 0.8 mm	1.5	6423.0251.15
Felcom 64	C14	F	-	2-pole	Solder terminals 3.5 x 0.8 mm	2.5	6423.0251.25
Felcom 64	C14	F	-	2-pole	Solder terminals 3.5 x 0.8 mm	3.0	6423.0251.30
Felcom 64	C14	F	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	1.5	6431.0053.15
Felcom 64	C14	F	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	2.0	6431.0053.20
Felcom 64	C14	F	2-pole	-	Quick connect terminals 6.3 x 0.8 mm	3.0	6431.0053.30
Felcom 64	C14	F	2-pole	-	Solder terminals 3.5 x 0.8 mm	1.0	6431.0051.10
Felcom 64	C14	F	2-pole	-	Solder terminals 3.5 x 0.8 mm	1.5	6431.0051.15
Felcom 64	C14	F	2-pole	-	Solder terminals 3.5 x 0.8 mm	2.0	6431.0051.20
Felcom 64	C14	F	2-pole	-	Solder terminals 3.5 x 0.8 mm	2.5	6431.0051.25
Felcom 64	C14	F	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.0	6432.0153.10
Felcom 64	C14	F	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6432.0153.15
Felcom 64	C14	F	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6432.0153.20
Felcom 64	C14	F	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	2.5	6432.0153.25
Felcom 64	C14	F	2-pole	1-pole	Quick connect terminals 6.3 x 0.8 mm	3.0	6432.0153.30
Felcom 64	C14	F	2-pole	1-pole	Solder terminals 3.5 x 0.8 mm	1.5	6432.0151.15
Felcom 64	C14	F	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.0	6432.0253.10
Felcom 64	C14	F	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.2	6432.0253.12
Felcom 64	C14	F	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6432.0253.15
Felcom 64	C14	F	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	2.0	6432.0253.20
Felcom 64	C14	F	2-pole	2-pole	Quick connect terminals 6.3 x 0.8 mm	3.0	6432.0253.30
Felcom 64	C14	F	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	1.0	6432.0251.10
Felcom 64	C14	F	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	1.5	6432.0251.15
Felcom 64	C14	F	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	2.0	6432.0251.20
Felcom 64	C14	F	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm	3.0	6432.0251.30
Felcom 64	C14	F	2-pole	2-pole	Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm	2.5	6432.0250.25

Most Popular.

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Packaging unit　　10 Pcs

Accessories

Description

Cord retaining kits
Cord retaining strain relief

Flat head, A	4700.0001
Flat head, E	4700.0005
Flat head, G	4700.0007

Mating Inlets/Plugs

Category / Description

Plug Overview complete

IEC Plug E, Cord Connector (Rewireable), Straight, max. cable Diameter 8.5 mm	4732
IEC Plug E, Cord Connector (Rewireable), Straight, max. Cable Diameter 10 mm	4735
IEC Plug E, Cord Connector (Rewireable), Straight	9009
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 8.5 mm	4733
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm	4736
Plug further types to Felcom 64	...

Mating Outlets/Connectors

Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091
Appliance Outlet further types to Felcom 64	

Connector Overview complete

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4022
4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4012
Connector further types to Felcom 64	...

14.12.2017