IEC Appliance Inlet C14 with modular extended Components

Plug removal necessary for fuse replacement
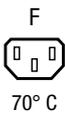
6421.005X.XX
Appliance inlet
Appliance outlet

6431.005X.XX
Appliance inlet
Switch
Appliance outlet

6432.0X5X.XX
Appliance inlet
Fuseholder
Switch
Appliance outlet

C14 — 70° C
F — 70° C

RoHS COMPLIANT

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

Approvals
- VDE Certificate Number: 40028094
- ENEC File Number: 101307
- UL File Number: E103791, E96454
- CSA File Number: 38456

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, RoHS, CHINA-RoHS, REACH, 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 IEC 60320-1, 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

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

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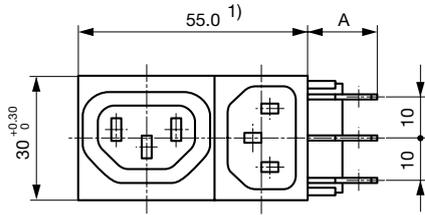
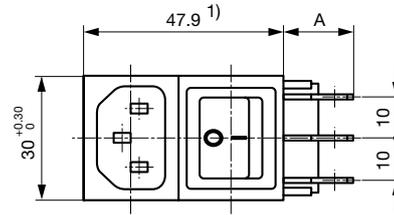Variants 6421.005X.XX
Mounting hole: 53.6$^{+0,2}$ x 27.6$^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 17.1 mm
A: Solder terminal 3.5x0.8 mm: 12.3 mm

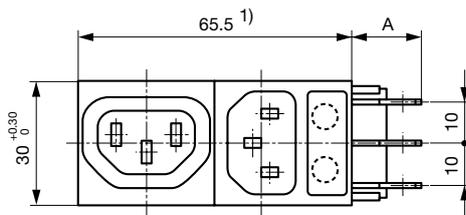Variants 6422.005X.XX
Mounting hole: 46.7$^{+0,2}$ x 27.6$^{+0,2}$
A: Quick-connect terminal 6.3x0.8 mm: 18.1 mm
A: Solder terminal 3.5x0.8 mm: 13.3 mm

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
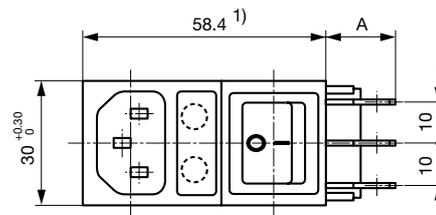A: Solder terminal 3.5x0.8 mm: 13.3 mm

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
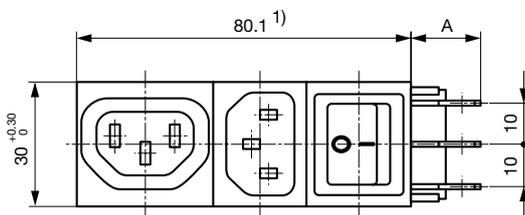A: Solder terminal 3.5x0.8 mm: 13.3 mm

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
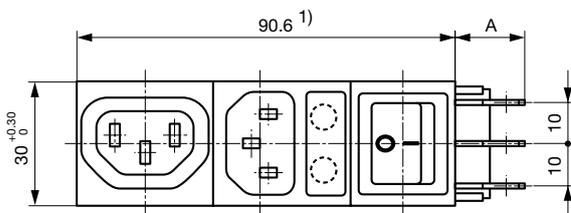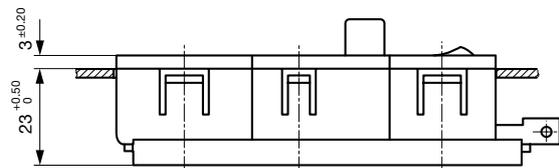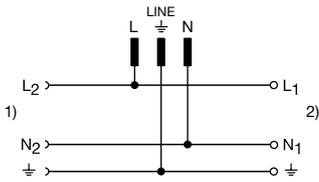A: Solder terminal 3.5x0.8 mm: 13.3 mm

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
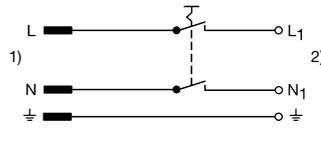
1) Line
2) Load 1

6423
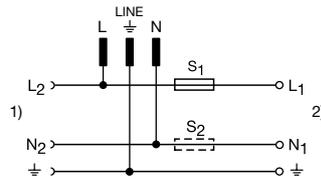
1) Load 2
2) Load 1

6424
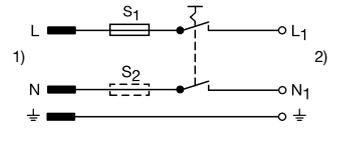
1) Line
2) Load 1

6431
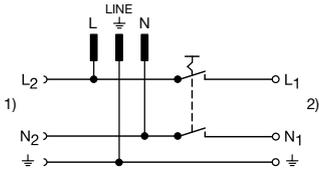
1) Load 2
2) Load 1

6432
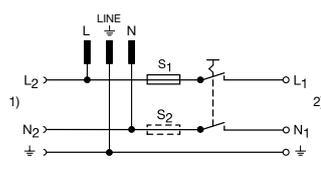
1) Load 2
2) Load 1

Derating Curves

1-pole

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = <<\ I_n$

Admissible power acceptance in Watt

Ambient air temperature T_a °C

2-pole

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = <<\ I_n$

Admissible power acceptance in Watt per pole

Ambient air temperature T_a °C
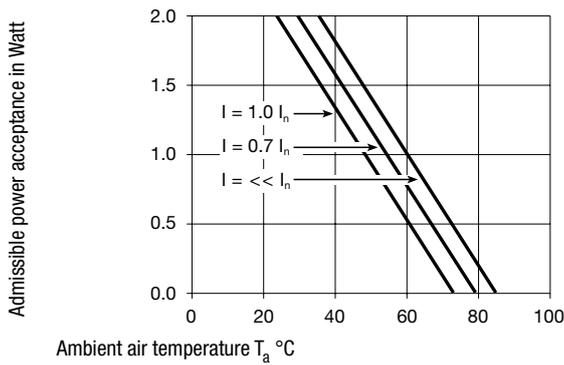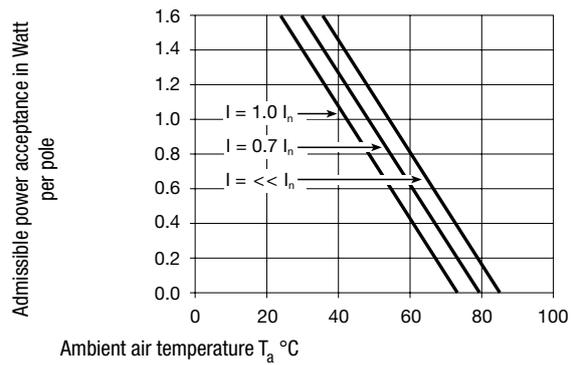
Ordering instructions

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	
Felcom 64	C14	F	-	2-pole	Quick connect terminals 6.3 x 0.8 mm	1.5	6423.0253.15	

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	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.

Availability for all products can be searched real-time: http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

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	...

07.03.2017

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Authorized Distributor

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6432.0253.15 6421.0051.10 6421.0051.20 6421.0053.12 6421.0053.20 6421.0053.25 6422.0051.15
6422.0051.20 6422.0053.10 6422.0053.12 6422.0053.15 6422.0053.25 6422.0053.30 6423.0151.10 6423.0151.15
6423.0151.20 6423.0153.15 6423.0153.20 6423.0251.15 6423.0251.25 6423.0251.30 6423.0253.15
6423.0253.20 6423.0253.30 6424.0151.10 6424.0151.15 6424.0151.30 6424.0153.10 6424.0153.12 6424.0153.15
6424.0153.20 6424.0153.25 6424.0153.30 6424.0251.10 6424.0251.12 6424.0251.15 6424.0251.20
6424.0253.10 6424.0253.12 6424.0253.15 6424.0253.20 6424.0253.25 6424.0253.30 6431.0051.10 6431.0051.15
6431.0051.25 6431.0053.12 6431.0053.15 6431.0053.20 6431.0053.30 6432.0151.15 6432.0153.15
6432.0153.20 6432.0153.30 6432.0251.15 6432.0251.20 6432.0251.25 6432.0251.30 6432.0253.10 6432.0253.20
6432.0253.25 6432.0253.30 6424.0151.12 6423.0153.12