IEC Appliance Inlet C14 with modular extended Components
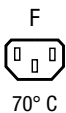
"0001.2516"

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   F
70° C   70° C

Description
- Panel Mount:
  Snap-in version from front side
- 2 - 4 Functions:
  Appliance Inlet Protection class I, Connector Protection class I, 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
- Alternative: version with line filter Felcom 54

Approvals
- VDE License Number: 40028094
- UL License Number: E103791
- CSA License Number: 38456

Characteristics
- Modular component selection
- Individual components soldered on a printed circuit board
- Plug removal necessary for fuse-link replacement
  Fuse drawer meets requirements of medical standard IEC/EN 60601-1
  The fuseholder is accessible from the equipment front
- Fully insulated from the rear
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Line switch with other rocker marking

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, Distributor-Stock-Check, Accessories

Technical Data

|	
Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	10 A / 125/250 VAC; 60 Hz
Allowable Operation Temp.	-25 °C to 70 °C
Protection Class	Suitable for appliances with protection class 1 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 / Appliance Outlet	C14 acc. to IEC/EN 60320-1 and F acc. to IEC/EN 60320-2-2, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1
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

"0001.2516"

Dimensions
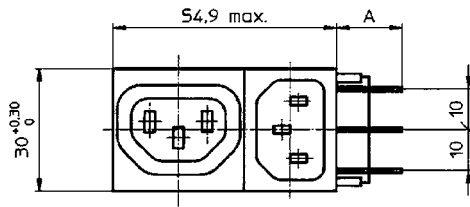
Variants 6421.005X.XX
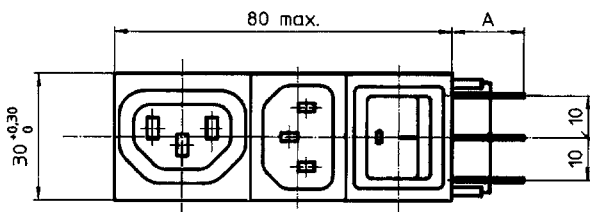Mounting hole: 53.6+0,2 x 27.6+0,2
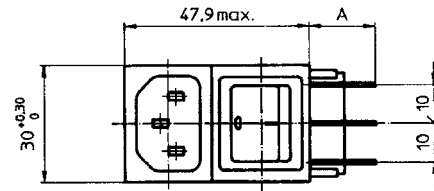
Variants 6422.005X.XX
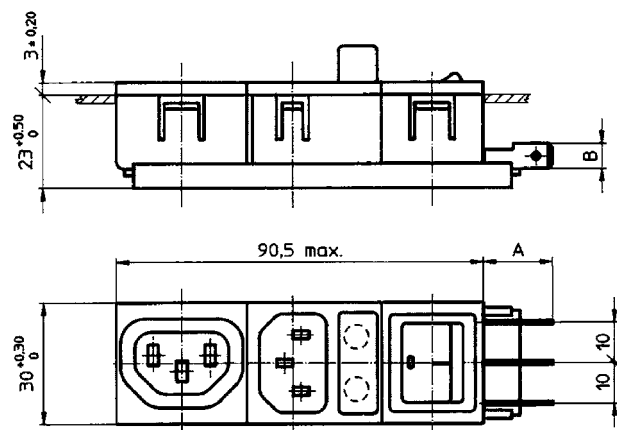Mounting hole: 46.7+0,2 x 27.6+0,2
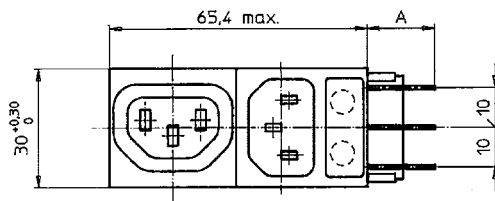
Variants 6423.0X5X.XX
Mounting hole: 65.5+0,2 x 27.6+0,2
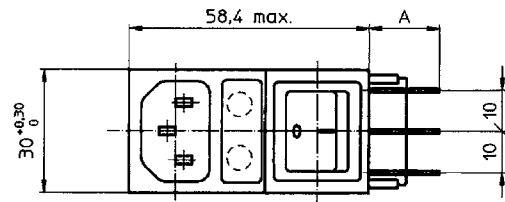
Variants 6424.0X5X.XX
Mounting hole: 57+0,2 x 27.6+0,2

Variants 6431.005X.XX
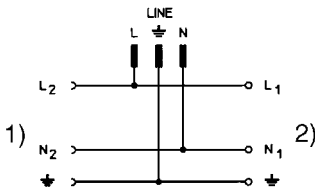Mounting hole: 80.1+0,2 x 27.6+0,2

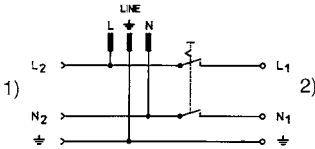Variants 6432.0X5X.XX
Mounting hole: 90.6+0,2 x 27.6+0,2

Diagrams

"0001.2516"
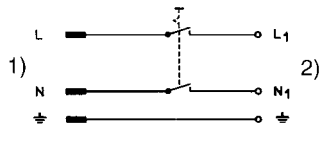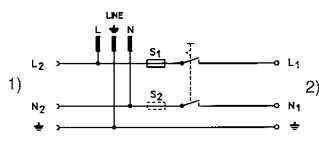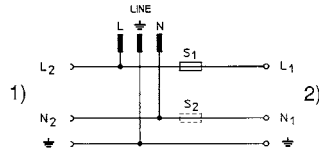
| 6421 | 6422 | 6423 | 6424 |

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
6432

6431
1) Load 2
2) Load 1
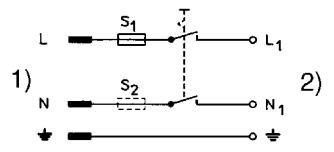
6432
1) Load 2
2) Load 1

Derating Curves

1-pole

Admissible power acceptance in Watt

I = 1.0 I$_n$
I = 0.7 I$_n$
I = << I$_n$

Ambient air temperature Ta °C

2-pole

Admissible power acceptance in Watt per pole

I = 1.0 I$_n$
I = 0.7 I$_n$
I = << I$_n$

Ambient air temperature Ta °C
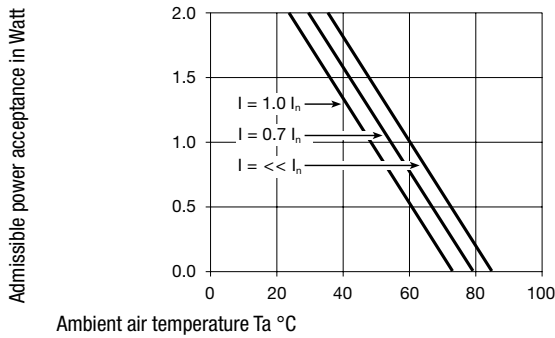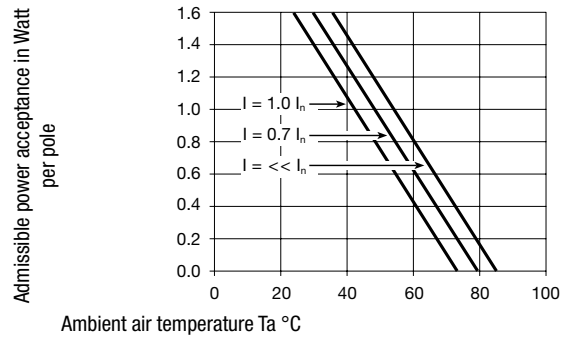
Ordering instructions

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

Packaging unit   10 Pcs

Accessories "0001.2516"

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

Interconnection Cord Overview complete

Interconnection Cord with IEC Plug E, Angled	0607
Interconnection Cord with IEC Plug E, Angled	0608
Interconnection Cord with IEC Plug E, Straight	0609
Interconnection Cord with IEC Plug G, Angled	607B
Interconnection Cord with IEC Plug G, Angled	608B
Interconnection Cord further types to Felcom 64	...

Plug Overview complete

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

Mating Outlets/Connectors

Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect 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
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092
Appliance Outlet further types to Felcom 64	

Connector Overview complete

IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
Connector further types to Felcom 64	...

Power Cord Overview complete

Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cord further types to Felcom 64	...

Power Supply or Interconnection Cord Overview complete

Divers Power Supply and Interconnection Cords 10 A	Kabelverbindung/10 A
Power Supply or Interconnection Cord further types to Felcom 64	

"0001.2516"

SCHURTER
E L E C T R O N I C   C O M P O N E N T S