IEC Appliance Inlet C20, Split panel or screw-on mounting, PCB Terminal

Split panel mounting, Snap-in PCB 1.6 mm,
Additional earth terminal 90° to connector axis

Split panel mounting, Screw-on PCB,
Additional earth terminal 90° to connector axis

Screw-on panel mounting,
Snap-in PCB 1.6 mm,
Additional earth terminal in connector axis

C20

70° C

See below:
Approvals and Compliances

Description
- Panel mount :
  Splitpanel (sandwich) or screw-on from backside
- Appliance Inlet , Pin temperature 70 °C , Protection class I
- V-Lock notch standard
- Additional ground terminal
- 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 60695-2-11 or -12 & -13.
- Variants with protection cover on rear side
- For PCB mounting: screw-on or snap-in 1.6 mm

Other versions on request
- Further colours on request

References
We recommend for new applications the type   4793

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

Technical Data

Ratings IEC	16 A / 250 VAC; 50 Hz	Appliance inlet/-outlet	C20 acc. to IEC 60320-1
Ratings UL/CSA	20 A / 250 VAC; 60 Hz		UL 60320-1, CSA C22.2 no. 60320-1
Dielectric Strength	> 1.5 kVAC between L-N		(for cold conditions) pin-temperature 70
	> 1.5 kVAC between L/N-PE		°C, 16 A, Protection Class I
	(1 min/50 Hz)		
Allowable Operation Temperature	-25 °C to 70 °C		
IP-Protection	front side IP20 acc. to IEC 60529		
Protection against electric shock	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	PCB terminals , additional ground terminal		
Panel Thickness S	for sandwich mounting 1.0/1.5 mm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Approvals and Compliances

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals
The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: GSP4

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40035923
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2020180204014249, 2020180204014250

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
UL	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
CSA Group	Designed according to	CSA C22.2 no. 60320-1	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

Application standards

Application standards where the product can be used

| Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC	Suitable 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 60695-2-11 or -12 & -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.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
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.
V-Lock		SCHURTER AG	V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.
	White Paper Glow wire test	SCHURTER AG	Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &-13.

Dimensions [mm]

Split panel mounting / Snap-in on PCB
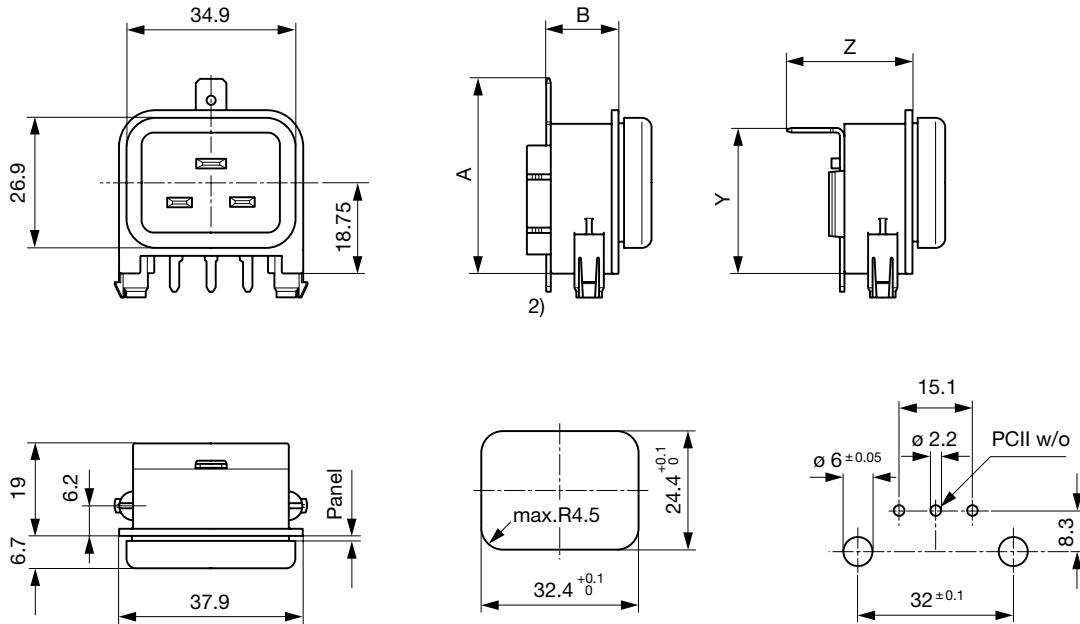
Dimension	A	B	Y	Z
Quick connect 6.3x0.8 mm	40.3	15.0	30.0	25.9
Solder	37.3	15.0	30.0	22.9

2) with protection cover

Split panel mounting / Screw-on mounting on PCB
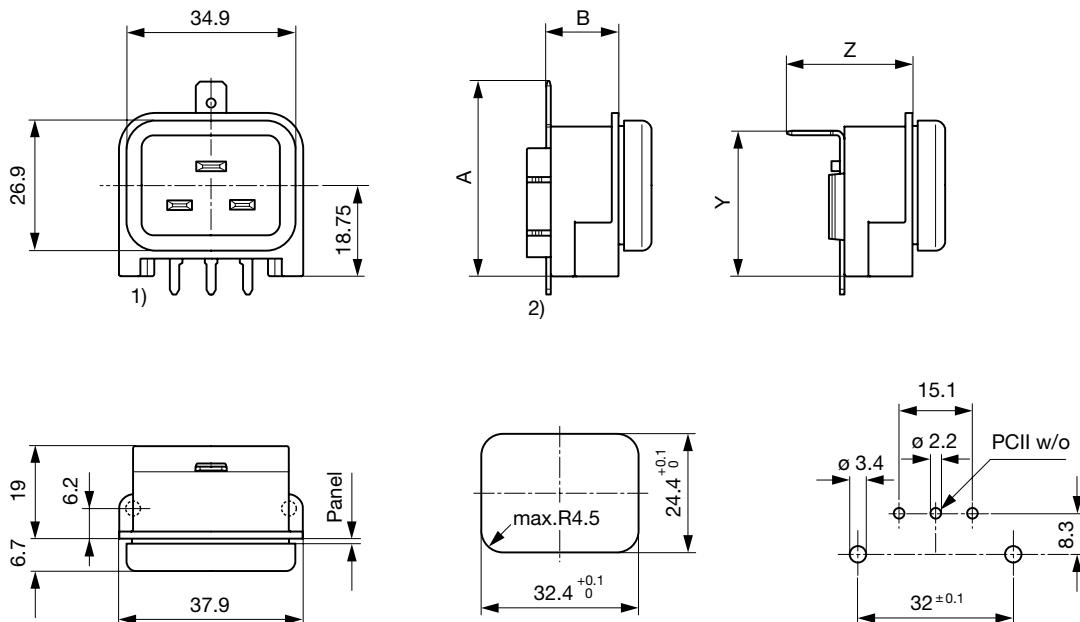
Dimension	A	B	Y	Z
Quick connect 6.3x0.8 mm	40.3	15.0	30.0	25.9
Solder	37.3	15.0	30.0	22.9

1) Mounting screw torque max. 0.3 Nm
2) with protection cover

Screw-on rear side / Snap-in on PCB

34.9
ø 3.2/Fits M3
26.9
18.75
B
A
2)
Z
Y

21.1
8.3
4.6
60

ø3.4/M3
R6
27 $^{+0.1}_{0}$
35 $^{+0.1}_{0}$
48 $^{±0.1}$

15.1
ø 2.2
PCII w/o
ø 6 $^{±0.05}$
8.3
32 $^{±0.1}$
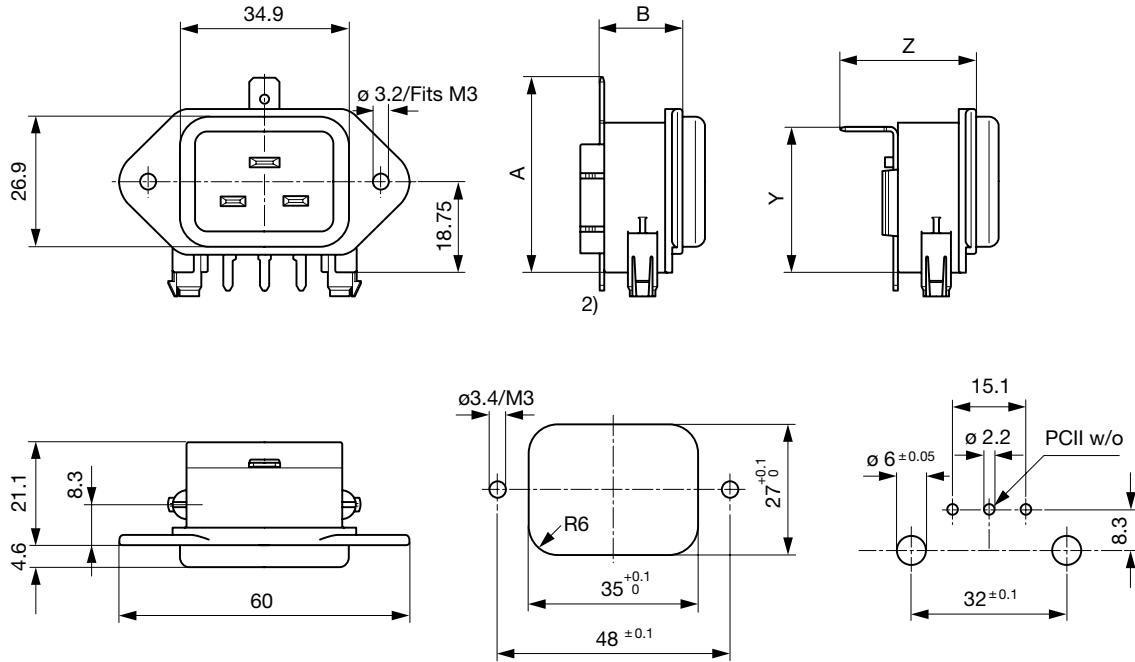
| Dimension	A	B	Y	Z
Quick connect 6.3x0.8 mm	40.3	17.1	30.0	28.0
Solder	37.3	17.1	30.0	25.0

2) with protection cover

Screw-on rear side / Screw-on mounting on PCB

34.9
ø 3.2/Fits M3
26.9
18.75
1)
B
A
2)
Z
Y

21.1
8.3
4.6
60

ø3.4/M3
R6
27 $^{+0.1}_{0}$
35 $^{+0.1}_{0}$
48 $^{±0.1}$

15.1
ø 2.2
PCII w/o
ø 3.4
8.3
32 $^{±0.1}$
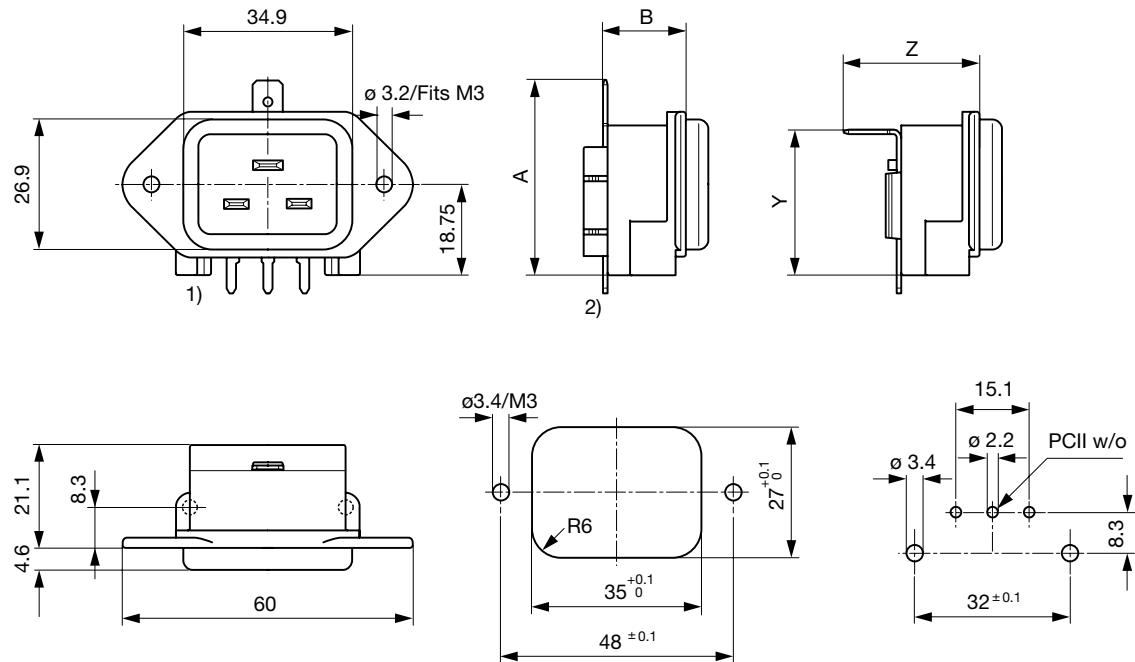
Dimension	A	B	Y	Z
Quick connect 6.3x0.8 mm	40.3	17.1	30.0	28.0
Solder	37.3	17.1	30.0	25.0

1) Mounting screw torque max. 0.3 Nm
2) with protection cover

Variants

Protection Class	Panel mounting	Panel Thickness s [mm]	PCB mounting	Additional ground terminal		Cover	Order Number
				Terminal	Terminal direction		
I	Sandwich	1.0	Screw	Quick connect terminal 6.3 x 0.8 mm	90° to connector axis	mounted	3-104-933
I	Sandwich	1.5	Screw	Quick connect terminal 6.3 x 0.8 mm	in line with PIN-axis	none	GSP4.0107.13
I	Sandwich	1.0	Screw	solder terminal	90° to connector axis	none	GSP4.010C.11
I	Sandwich	1.5	Screw	solder terminal	90° to connector axis	none	GSP4.010C.13
I	Sandwich	1.5	Screw	Quick connect terminal 6.3 x 0.8 mm	in line with PIN-axis	mounted	GSP4.0117.13
I	Sandwich	1.5	Snap-in	Quick connect terminal 6.3 x 0.8 mm	in line with PIN-axis	none	GSP4.0207.13
I	Screw	-	Screw	solder terminal	in line with PIN-axis	none	3-124-857
I	Screw	-	Snap-in	Quick connect terminal 6.3 x 0.8 mm	in line with PIN-axis	none	GSP4.0207.10
I	Screw	-	Snap-in	Quick connect terminal 6.3 x 0.8 mm	in line with PIN-axis	mounted	GSP4.0217.10

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

With screw mounting on PCB, 2 screws are included

Packaging unit	50 Pcs

Mating Outlets/Connectors

Category / Description

Connector Overview complete

4795, Mounting: Power Cord, Cable Connector: IEC C19	4795
4790, Mounting: Power Cord, Screw Connector: IEC C19	4790

Power Supply Cord Overview complete

Cord Sets 16 A, Europlug, 2.5 m, Connector IEC C19, H05VV-F3G1.5, black	6004.0395
Cord Sets 16 A, Interconnection, 1.0 m, Connector IEC C19, H05VV-F3G1.5, black	6020.0392
Cord Sets 16 A, Interconnection, 2.0 m, Connector IEC C19, H05VV-F3G1.5, black	6020.0394

Mating Outlets/Connectors shuttered

Connector Overview complete

4799, Mounting: Power Cord, Cable Connector: IEC C19	4799

Power Cord Overview complete

VAC19KS, Overview, V-Lock cord retaining, diverse Connector IEC C19, diverse, black	VAC19KS

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