IEC Appliance Inlet C14 or C18, Screw-on Mounting, Rear Side, PCB terminals

C14   C18
70° C   70° C

See below:
Approvals and Compliances

Description
- Panel mount , Screw-on mounting from rear-side
- 1 Function :
  Appliance Inlet , Pin temperature 70 °C , protection class I or II
- V-Lock notch standard
- For PCB mounting

Other versions on request
- Ground terminal with quick-connect terminal 6,3 x 0,8 mm
- With solder terminals

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

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	15 A / 250 VAC; 60 Hz
Dielectric Strength	> 3 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 70 °C
IP-Protection	from front side IP40 acc. to IEC 60529
Protection against electric shock	Suitable for appliances with protection class I or II acc. to IEC 61140
Terminal	For PCB mounting : Ground terminal: Quick connect terminals 4.8 x 0.8 mm angled or straight Solder terminal on request
Panel Thickness S	Screw: max 3 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance inlet/-outlet	C14 / C18 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I or II

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.
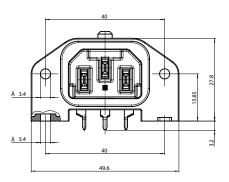Approval Reference Type: GSP1

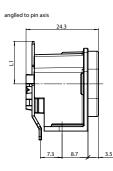| Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40012767
	UL Approvals	UL	UL File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2020180204014251, 2020180204014252

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	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

Compliances
The product complies with following Guide Lines

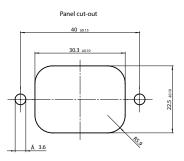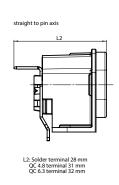| Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER 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	Landing Page 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.

Dimensions [mm]
PIN: Spacing 7 / 7.3mm or 9.05 / 7.3mm

anglled to pin axis

L1: Solder terminal 12.25 mm
QC 4.8 terminal 14.25 mm
QC 6.3 terminal 15.25 mm

With insulation cover

Drilling diagram for printed circuit board

Panel cut-out

straight to pin axis

L2: Solder terminal 28 mm
QC 4.8 terminal 31 mm
QC 6.3 terminal 32 mm

PIN: Spacing 7 / 9.7mm or 9.05 / 9.7mm
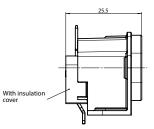

anglled to pin axis

L1: Solder terminal 12.25 mm
QC 4.8 terminal 14.25 mm
QC 6.3 terminal 15.25 mm
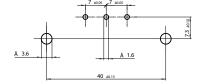
With insulation cover

Panel cut-out

straight to pin axis
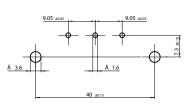
L2: Solder terminal 28 mm
QC 4.8 terminal 31 mm
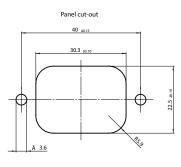QC 6.3 terminal 32 mm

Drilling diagram for printed circuit board
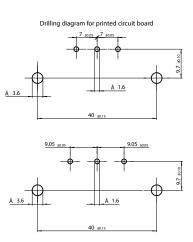
All Variants

Protection Class	PCB terminal spacing	Mounting flange with	Ground terminal 4.8 x 0.8 mm	Cover	Order Number	
I	7/7.3	PCB side through holes, panel side pre-inserted nuts	straight	●	GSP1.9413.1	
I	7/7.3	holes for screws M3	angled to pin axis		GSP1.9101.1	
I	7/7.3	holes for screws M3	straight		GSP1.9103.1	▮
I	7/7.3	holes for screws M3	straight	●	GSP1.9113.1	▮
I	7/7.3	holes for self-tapping screws 3mm, 4 screws enclosed	straight		GSP1.9503.1	
I	7/7.3	pre-inserted nuts M3, 4 pcs.	straight		GSP1.9203.1	▮
I	9.05/9.7	PCB side through holes, panel side pre-inserted nuts	angled to pin axis		GSP1.8401.1	
I	9.05/9.7	holes for screws M3	angled to pin axis		GSP1.8101.1	▮
I	9.05/9.7	holes for screws M3	angled to pin axis	●	GSP1.8111.1	▮
I	9.05/9.7	holes for screws M3	straight		GSP1.8103.1	
I	9.05/9.7	holes for self-tapping screws 3mm, 2 screws enclosed	angled to pin axis		GSP1.8601.1	
I	9.05/9.7	holes for self-tapping screws 3mm, 2 screws enclosed	straight	●	GSP1.8613.1	
I	9.05/9.7	holes for self-tapping screws 3mm, 4 screws enclosed	angled to pin axis		GSP1.8501.1	▮
I	9.05/9.7	holes for self-tapping screws 3mm, without screws	angled to pin axis		GSP1.8701.1	
I	9.05/9.7	pre-inserted nuts M3, 4 pcs.	angled to pin axis		GSP1.8201.1	▮
I	9.05/9.7	pre-inserted nuts M3, 4 pcs.	angled to pin axis	●	GSP1.8211.1	
I	9.05/9.7	pre-inserted nuts M3, 4 pcs.	straight		GSP1.8203.1	
II	7/7.3	holes for screws M3	-		GSP1.9100.1	
II	7/7.3	holes for screws M3	-	●	GSP1.9110.1	
II	7/7.3	holes for self-tapping screws 3mm, 4 screws enclosed	-		GSP1.9500.1	
II	7/7.3	pre-inserted nuts M3, 4 pcs.	-		GSP1.9200.1	
II	9.05/9.7	holes for screws M3	-		GSP1.8100.1	
II	9.05/9.7	holes for screws M3	-	●	GSP1.8110.1	
II	9.05/9.7	holes for self-tapping screws 3mm, 4 screws enclosed	-		GSP1.8500.1	
II	9.05/9.7	pre-inserted nuts M3, 4 pcs.	-		GSP1.8200.1	

▮ Most Popular.

Protection Class	PCB terminal spacing	Mounting flange with	Ground terminal 4.8 x 0.8 mm	Cover	Order Number

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

Packaging unit	50 Pcs

Mating Outlets/Connectors

Category / Description

Connector Overview complete

Description	Order Number
4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4012 Mounting: Power Supply Cord, 3 x 1 mm², Screw clamps, Connector: IEC C13	4012
4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4781 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15	4781
Connector further types to GSP1	...

Interconnection Cord Overview complete

Description	Order Number
Cord Sets 10 A, Interconnection, 2.0 m, IEC H05VV-F3G1.0, black	6007.0204
Cord Sets 10 A, Interconnection, 1.0 m, Connector IEC C13, H05VV-F3G1.0, black	6007.0212
Cord Sets 10 A, Interconnection, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6007.0214
Interconnection Cord further types to GSP1	

Power Supply Cord Overview complete

Description	Order Number
Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6004.0215
Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6003.0215
Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6000.0224
Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6000.0214
Cord Sets 10 A, United Kingdom, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6044.0215
Power Supply Cord further types to GSP1	...

Power Supply or Interconnection Cord Overview complete

Description	Order Number
Cord Sets 10 A, United Kingdom, 2.0 m, Connector IEC H05W-F3G1.0, black	6044.0204
Power Supply or Interconnection Cord further types to GSP1	

Mating Outlets/Connectors shuttered

Connector Overview complete

4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4783

Connector further types to GSP1

Power Cord Overview complete

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black	VAC13KS
VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white	VAC17KS

Power Cord further types to GSP1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schurter](#):

GSP1.8103.1 GSP1.9113.1 GSP1.8101.1 GSP1.6101.1 GSP1.6201.1 GSP1.7101.1 GSP1.7500.1 GSP1.7501.1
GSP1.8100.1 GSP1.8101.2 GSP1.8111.1 GSP1.8113.1 GSP1.8201.1 GSP1.8203.1 GSP1.8211.1 GSP1.8401.1
GSP1.8501.1 GSP1.8601.1 GSP1.8613.1 GSP1.8701.1 GSP1.8703.1 GSP1.870C.1 GSP1.870E.1 GSP1.9100.1
GSP1.9101.1 GSP1.9103.1 GSP1.9110.1 GSP1.9111.1 GSP1.911E.1 GSP1.9201.1 GSP1.9203.1 GSP1.9401.1
GSP1.9413.1 GSP1.810C.1 GSP1.9203.121 GSP1.8201.121 GSP1.8101.121