



Product: GSR-U 2000

GSR-U DIN standard receptacle with solder contacts: Form A, 3-pin (2+1PE), solder type; 400 V AC/230 V DC, 16 A

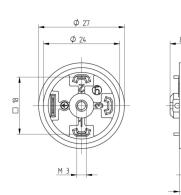
Product Description

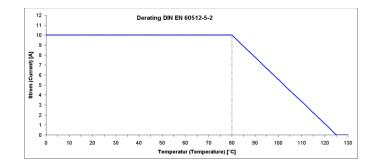
GSR-U DIN standard receptacle with solder contacts: Form A, 3-pin (2+1PE), solder type; 400 V AC/230 V DC, 16 A

10

.

Technical Drawing





Technical Specifications

Technical Data

Product Sub Family:GSR-UBrand:HirschmannConnector Type:ReceptacleConnector Sub Type:Circular receptacle with solder contactsType of Contact / Gender:MaleConnector Design:MaleConnector Design:StraightConnector Design:PPECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:40 V AC/230 V DCRated Current*:6AContact Resistance:>10° O hmInsulation Resistance:\$10° O hmMating Cycles:\$50Type of Connection:SiderConnector Cross Section:Sider A			
Brand:HirschmannConnector Type:ReceptacleConnector Sub Type:Circular receptacle with solder contactsType of Contact / Gender:MaleConnector Design:StraightNumber of Pins:2+PECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:40 V AC/230 V DCRated Current*:16 AContact Resistance:> 10°9 OhmMating Cycles:< 50Type of Connection:SolderContact Resistance:< 50Station Resistance:< 50Station Resistance:< 50Station Screw:SolderConnector Substance:< 50Station Resistance:< 50 <tr< th=""><th>Product Family:</th><th colspan="2">Valve Connectors</th></tr<>	Product Family:	Valve Connectors	
Connector Type:ReceptacleConnector Sub Type:Circular receptacle with solder contactsType of Contact / Gender:MaleConnector Design:StraightNumber of Pins:2+PECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:> 10 mOhmInsulation Resistance:\$ 50Type of Connection:SolderOperation:\$ 000 AC/200 VDCRated Durrent*:\$ 1000 MmSolder\$ 000 Mm <t< td=""><td>Product Sub Family:</td><td colspan="2">GSR-U</td></t<>	Product Sub Family:	GSR-U	
Connector Sub Type:Circular receptacle with solder contactsType of Contact / Gender:MaleConnector Design:StraightNumber of Pins:2+PECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:4.0 kVOperating Voltage:10.4 NUContact Resistance:> 10 mOhmInsulation Resistance:> 5.0Type of Connection:SolderConductor Cross Section:Solder	Brand:	Hirschmann	
Type of Contact / Gender:MaleConnector Design:StraightNumber of Pins:2+PECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:4.0 kVOperating Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:> 10^9 OhmMating Cycles:< 50	Connector Type:	Receptacle	
Connector Design:StraightNumber of Pins:2+PECoding:ACoding:AShielding:UnshieldedAttachment Type:4.0 kVOperating Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:> 10 mOhmInsulation Resistance:> 50Mating Cycles:< 50	Connector Sub Type:	Circular receptacle with solder contacts	
Number of Pins:2+PECoding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:4.0 kVOperating Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:> 10 mOhmInsulation Resistance:> 50Mating Cycles:50Type of Connection:SolderConduct Cross Section:0.08 - 1.5 mm²	Type of Contact / Gender:	Male	
Coding:AShielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:4.0 kVOperating Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:> 10 mOhmInsulation Resistance:> 10^9 OhmMating Cycles:< 50	Connector Design:	Straight	
Shielding:UnshieldedAttachment Type:Central ScrewRated Impulse Voltage:4.0 kVOperating Voltage:400 V AC/230 V DCRated Current*:16 AContact Resistance:< 10 mOhm	Number of Pins:	2+PE	
Attachment Type: Central Screw Rated Impulse Voltage: 4.0 kV Operating Voltage: 400 V AC/230 V DC Rated Current*: 16 A Contact Resistance: > 10 mOhm Insulation Resistance: > 10^9 Ohm Mating Cycles: < 50	Coding:	A	
Rated Impulse Voltage: 4.0 kV Operating Voltage: 400 V AC/230 V DC Rated Current*: 16 A Contact Resistance: > 10 mOhm Insulation Resistance: > 10^9 Ohm Mating Cycles: < 50	Shielding:	Unshielded	
Operating Voltage: 400 V AC/230 V DC Rated Current*: 16 A Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10*9 Ohm Mating Cycles: ≤ 50 Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm²	Attachment Type:	Central Screw	
Rated Current*: 16 A Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm²	Rated Impulse Voltage:	4.0 kV	
Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm²	Operating Voltage:	400 V AC/230 V DC	
Insulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm²	Rated Current*:	16 A	
Mating Cycles: ≤ 50 Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm²	Contact Resistance:	< 10 mOhm	
Type of Connection: Solder Conductor Cross Section: 0.08 - 1.5 mm ²	Insulation Resistance:	> 10^9 Ohm	
Conductor Cross Section: 0.08 - 1.5 mm ²	Mating Cycles:	≤ 50	
	Type of Connection:	Solder	
Ambient Temperature (Operation)*: 40 °C +125 °C	Conductor Cross Section:	0.08 - 1.5 mm ²	
Ambient remperature (Operation) : -40 C - +123 C	Ambient Temperature (Operation)*:	-40 °C - +125 °C	

Protection Degree / IP Rating**:	IP65	
Design Standard:	DIN EN 175301-803-A, ISO 4400	
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)	
Clearance / Creepage Distance:	arance / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1	
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)	

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Sn
Contact Bearer Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-0
Housing Color:	black

Approvals

VDE:	yes
SEV:	yes

Safety & Environmental Compliance

RoHS Compliant:	yes
Notes	

Note Derating:	Notice derating	
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.	
Note:	Do not connect or disconnect under load.	

Variants

Item #	Item Description
933377100	GSR-U 2000 LO

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or guality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulators based on their individual usage of the product.