



Product Description

Technical Drawing



Product Life Cycle

Technical data

Product Family:	Valve Connectors
Product Sub Family:	GDM Standard
Brand:	Hirschmann
Connector Type:	Field Attachable
Connector Sub Type:	Form A
Type of Contact / Gender:	Socket Contacts / Female
Connector Design:	Angled (90°) Body
Number of Pins:	2+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw, M 3 x 35

Rated Voltage:	55 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	48 V AC/DC
Rated Current*:	1 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw terminal
Cable Gland:	G1/2" (ISO 228)
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 6 - 13 mm
Ambient Temperature (Operation)*:	- 40 °C to + 80 °C [Connector] - 30 °C to + 80 °C [when mated with NBR gasket] - 15 °C to + 80 °C [when mated with FKM gasket] - 40 °C to + 80 °C [when mated with EPDM or MPQ gasket]
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:	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:	Brass (CuZn)
Contact Plating:	Copper-Tin Alloy (Cu/Sn)
Contact Bearer Color:	Brown
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Glass-Fiber Reinforced Polyamide (PA GF)
Housing Color:	Translucent
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	Glass-Fiber Reinforced Polyamide (PA GF)
Cable Gland Gasket:	Nitrile Butadiene Rubber (NBR)
Cable Gland Color:	Grey
Flammability Class (Cable Gland):	UL 94 HB
Attachment Material:	Steel Fastener (4.8 , Fe/Zn B)
Gasket Material:	Sold separately

Protection Circuitry

Function Indicator:	Red LED
Bridge Rectifier:	Bridge-Type Rectifier
Protective Circuit:	Varistor (MOV)

Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.5 - 1.5 mm²; (30-40) Ncm for conductor size 0.38-0.34 mm²; (25-30) Ncm for conductor size 0.25 mm²
Fastening Torque (Cable Gland):	(250-375) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

UL-File:	E95522
UL:	UL 1977; UR
VDE:	VDE-Reg.-Nr.: E349
CSA:	Yes
SEV:	Yes

Safety & Environmental Compliance

REACH:	Yes
RoHS Compliant:	Compliant

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked

Variants

Item #	Item Description	Central Screw	Gasket	Packaging	Replacement For	Replaced By
934752901	GDML 2014 GB 1 LED 48 RD TRANS/GREY	4.8, Fe/Zn B	0 - Sold Separately	D - Collect packaging 50 pieces, assembled		ID: 934752951 Name: GDML 2014 GB 1 LED 48 RD TR/GR COR AL12
934752954	GDML 2014 GB 1 LED 48 RD TR/GR COR 3G	1 - Central Screw Steel, combi head	0 - Sold Separately	D - Collect packaging 50 pieces, assembled	ID: 934752951 Name: GDML 2014 GB 1 LED 48 RD TR/GR COR 3G	
934752951	GDML 2014 GB 1 LED 48 RD TR/GR COR AL12	1 - Central Screw Steel, combi head	0 - Sold Separately	D - Collect packaging 50 pieces, assembled		ID: 934752954 Name: GDML 2014 GB 1 LED 48 RD TR/GR COR 3G

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