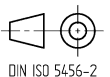


The information/details in this datasheet merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be binding if these are expressly agreed on conclusion of the contract.



Product description

Description	Cable socket
Type	GDM 3009 ...
Order No	931-969-... , see standard products
Type of contacts	female
Number of contacts	3+PE
Cable gland	PG 9
Conductor size	max. 1,5 mm ²
Standard	DIN EN 175301-803-A
Color housing	see standard products
Color contact bearer	black

Technical data

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	250 V AC/DC
Rated current *	16 A
Contact resistance	≤ 10 mOhm
Type of connection	screw terminal
Suitable cables	Ø4,5 mm to Ø7 mm
Mounting	Central screw M 3

Materials

Contact	CuZn
Contact plating	Cu/Sn
Contact bearer	PA 6 GF
Housing	PA 6 GF
Cable gland screw	PA 6 GF
Gasket(s)	SBR, cable gland
Central screw	see standard products

Environmental conditions

Protection class (IEC 60529) *	IP65, IP67 ***
Pollution severity	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Temperature range (connector)	-30°C to +90°C, notice derating and gasket -40°C to +125°C, notice derating and gasket

* only if mounted and locked in combination with Hirschmann / Lumberg connector.

Gasket, see Accessories, is required

*** protection class IP67 only in Temp.-range from -40°C to +90°C.

Flammability class

Housing	UL 94 HB
Contact bearer	UL 94 HB
Cable gland screw	UL 94 HB

Approvals

VDE	VDE-Reg.-Nr.: 1978
SEV	ESTI: 10.0648

Accessories

Accessories to order separately

Gasket:

730-801-002, NBR, Temp. range: -30°C to +90°C, flat gasket GDM 3-7, brown

731-739-004, EPDM, Temp. range: -40°C to +125°C, flat gasket GDM 3-21, brown

731-740-002, MPQ, Temp. range: -40°C to +125°C, flat gasket GDM 3-17, red

731-531-002, NBR, Temp. range: -30°C to +90°C, profiled gasket GDM 3-16, black

731-532-002, VMQ, Temp. range: -40°C to +125°C, profiled gasket GDM 3-19, red

central screw:

732-488-002, knurled head (grey)

734-363-001, stainless steel screw

Additional technical data

Fastening torque (contact screw)

M 3: (40-50) Ncm

Fastening torque (central screw)

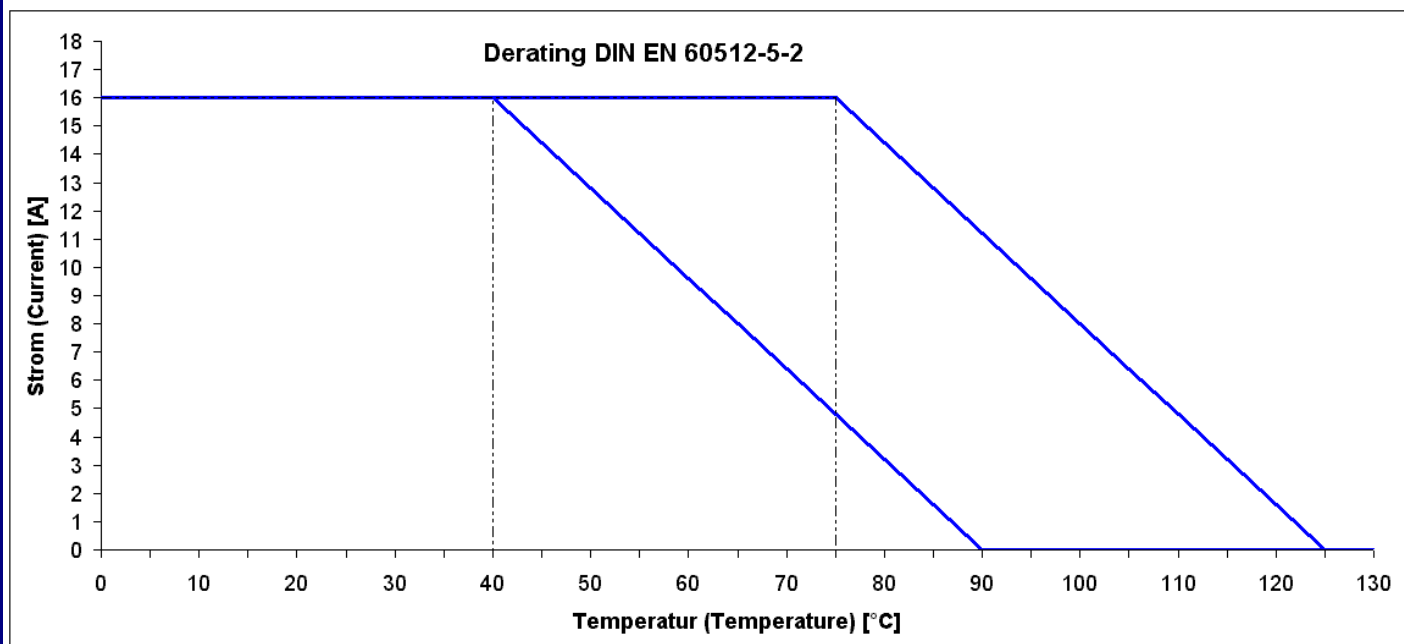
M 3: (50-60) Ncm

Fastening torque (cable gland)

PG 9: (250-375) Ncm

Cutline

Do not connect or disconnect under load.



Standard products

Artikel-No.	Type	Housing	Contact plating
931-969-100	GDM 3009 schwarz	black, (B12)	4.8 , Fe/Zn B
931-969-106	GDM 3009 grau	grey, (A14)	4.8 , Fe/Zn B
931-969-200	GDM 3009 E schwarz	black, (B12)	VA