

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 angled
Type	GDM ..., see standard products
Order No	see standard products
Type of contacts	female
Number of contacts	2+PE, 3+PE, see standard products
Cable gland	see standard products
Conductor size	max. 1,5 mm ²
Standard	DIN EN 175301-803-A
Construction type	A
Color housing	see standard products
Color contact bearer	black*

* other colors on request

Technical data

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	250 V AC/DC
Rated current *	16 A
	10 A (VDE)
Rated impulse voltage	4,0 kV
Pollution degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact resistance	≤ 10 mOhm
Type of connection	screw terminal

Mating cycles	max. 50
Suitable cables	Ø5,5 mm to Ø7,0 mm**
Mounting	Central screw M 3

* Notice derating

Materials

Contact	CuZn
Contact plating	Cu/Sn
Contact bearer	PA 6 GF
Housing	PA 6 GF
Cable gland screw	PA 6 GF
Central screw	4.8 , Fe/Zn B
Gasket(s)	SBR/NBR, cable gland

Environmental conditions

Protection class (IEC 60529) *	IP65 *, IP67*, IP68 **
Temperature range (connector)	-40°C to +125°C, notice derating
Temperature range (gasket)	see accessories

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

Flammability class

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

* higher flammability classes on request

Approvals

VDE	VDE-Reg.-Nr.: E349
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Accessories

Accessories to order separately .

Gasket:

735-677-003, NBR, Temp. range: -25°C to +90°C, captive gasket GDMF-6 NBR, black
735-677-004, EPDM, Temp. range: -25°C to +120°C, captive gasket GDMF-6 EPDM, brown

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:

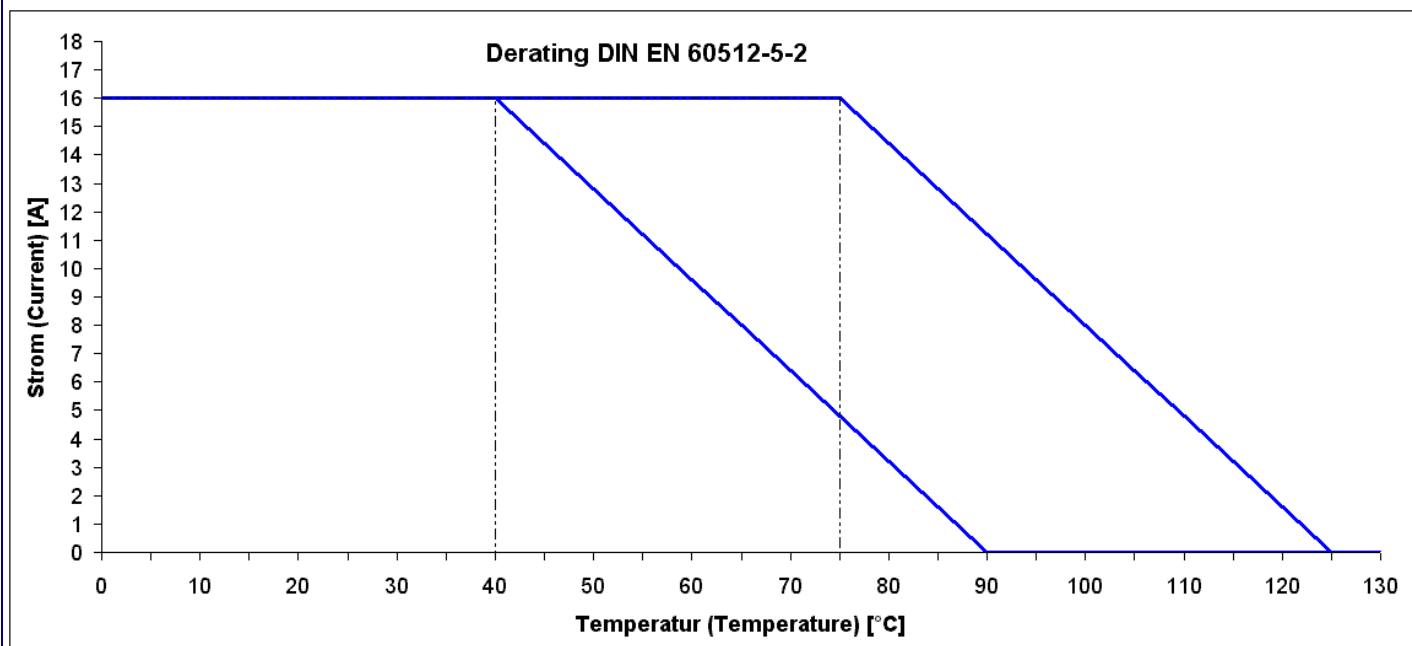
732-488-002, knurled head (grey)
734-363-001, stainless steel screw

Additional technical data

Fastening torque (central screw)	M 3: (50-60) Ncm
Fastening torque (cable gland)	PG 9; M 16x1,5: (250-375) Ncm
Fastening torque (contact screw)	M 3: (40-50) Ncmfor Wiresize: 0,5 mm ² bis 1,5 mm ² M 3: (30-40) Ncmfor Wiresize: 0,34 mm ² M 3: (25-30) Ncmfor Wiresize: 0,25 mm ²

Cutline

Do not connect or disconnect under load.



Standard products

Artikel-No.	Type	Number of contacts	Cable gland	Color housing
934-888-100	GDM2106-A0U-10F	2+PE	M16 x 1,5	schwarz / black
934-888-101	GDM3106-A0U-10F	3+PE	M16 x 1,5	schwarz / black
934-888-131	GDM2166-A0U	2+PE	M16 x 1,5	grau / grey
934-888-132	GDM3166-A0U	3+PE	M16 x 1,5	grau / grey
934-888-134	GDM2106-A0U-1BF	2+PE	M16 x 1,5	schwarz / black
934-888-150	GDM3106-A0U-1BF	3+PE	M16 x 1,5	schwarz / black