

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	934-888-..., see standard products
Type of contacts	female
Number of contacts	2+PE, see standard products
Cable gland	M20x1,5 *
Strain-relief	clamping cage
Conductor size	0,25 mm ² - 1,5 mm ²
Standard	DIN EN 175301-803-A
Color housing	black
Color contact bearer	black**
Color cable gland	black

* Cable gland: PG11 on request

** other colors on request

Description of wiring

Voltage rectifier	optional full bridge rectifier, see circuits.
Protective circuit	Overview voltage ranges: nominal voltage / max. voltage 24 V / 30 V 48 V / 60 V 120 V / 150 V 230 V / 250 V

Overview nominal voltage and protective circuit

24 V : Varistor, Varistor voltage:	47 V
48 V : Varistor, Varistor voltage:	100 V
120 V : Varistor, Varistor voltage:	240 V
230 V : Varistor, Varistor voltage:	470 V
230 V : recovery diode	

Circuits see last page

Technical data

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	12 V AC/DC - 250 AC/DC
Rated current *	1 A - 10 A, see circuits 1 A, Bridge rectifier, VDE, UL 0,8 A, Bridge rectifier, CSA 10 A, LED function indicator, VDE, UL 8 A, LED function indicator, CSA
Rated impulse voltage	2,0 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	Ø8,0 mm to Ø10,0 mm**
Mounting	Central screw M 3x35

* Notice derating

** different cable diameter on request

Materials

Contact	CuZn
Contact plating	Cu/Sn
Contact bearer	PA 6 GF*
Housing	PA 66 GF*
Central screw	4.8 , Fe/Zn B **
Gasket(s)	NBR *, cable gland
Clamp cage	PA 66 GF*
Cable gland screw	PA 66 GF*

* standard material, other materials on request

** other materials see accessory

Environmental conditions

Protection class (IEC 60529) *	IP65**
Temperature range	-25°C to +90°C, notice Derating ***

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

** Standard product IP65. IP67, IP68 on request

*** Temp.-range: -55°C to +90° depending on used materials.

Flammability class

Housing	UL 94 5VA
Contact bearer	UL 94 HB*
Clamping cage	UL 94 HB*
Cable gland screw	UL 94 5VA

* Standard: HB. Inflammability class: V0, 5VA on request

Approvals

VDE	VDE-Reg.-Nr.: E349
UL	E315587, Vol. 1, Sce. 4. UL2238
CSA	E315587, CSA-22.2 No 182.3

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
735-823-002, EPDM Temp. range: -40°C to +125°C, profiled gasket GDM 3-24, brown

central screw:

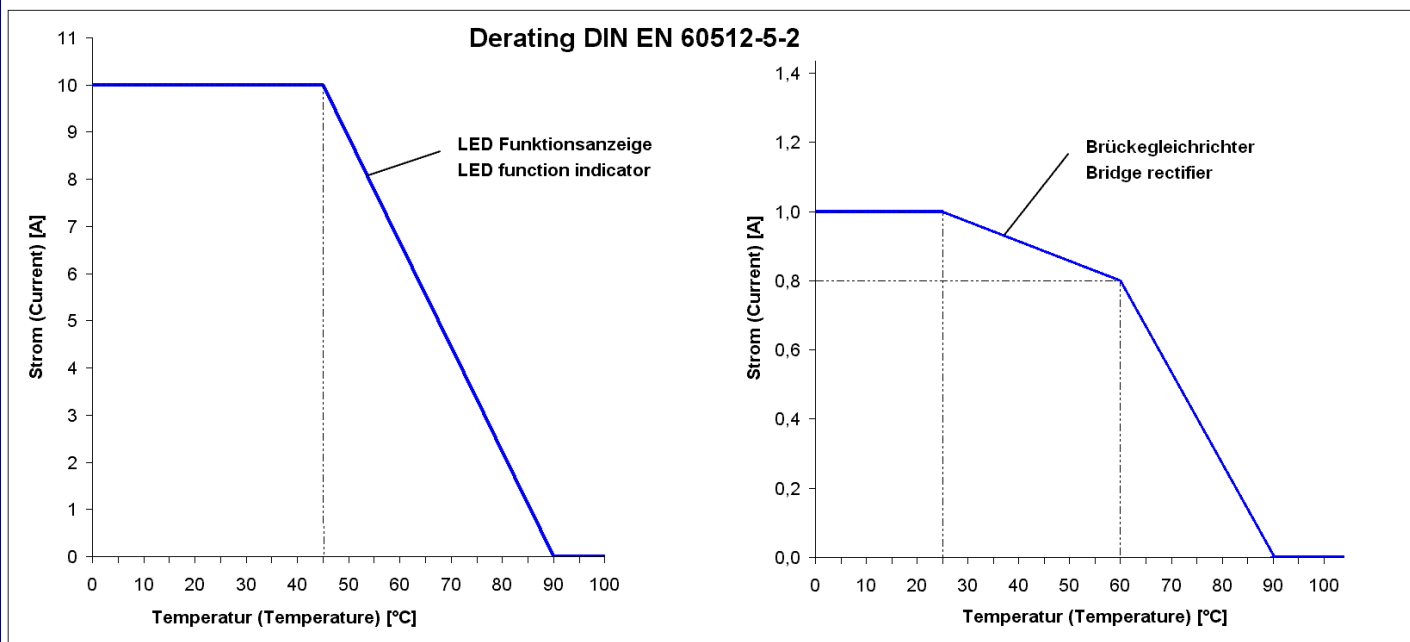
732-383-003, steel screw, GDM 3011-6
732-488-002, knurled head (grey), GDM 3011-7
734-363-001, stainless steel screw, GDM 3011 RF-1
735-507-002, Torx screw, GDM 3011-18

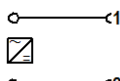
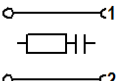
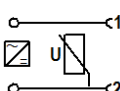
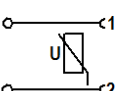
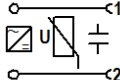
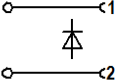
Additional technical data

Fastening torque (central screw)	M 3: (50-60) Ncm
Fastening torque (cable gland)	(150-200) 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 / disconnect under load.



Brückengleichrichter * Bridge rectifier *		Schutzbeschaltungen protective circuit	
ohne Schutzbeschaltung without protective circuit	1A / 230V	RC-Glied RC-element	10A / 230V
	Productcode: D3		Productcode: C1
mit Varistor with varistor	1A / 24V 48V 120V 230V	Varistor varistor	10A / 24V 48V 120V 230V
	Productcode: V3		Productcode: V1
mit Varistor und Kondensator with varistor and condensator	1A / 230V	Freilaufdiode recovery diode	10A / 230V
	Productcode: C3		Productcode: D1

Standard products

Artikel-No.	Type	Description of wiring	Protective circuit
934-888-543	GDM21AM-C3S	C3:1A 120V, AC/DC	Varistor / Capacitor
934-888-544	GDM21AM-C3U	C3:1A 230V, AC/DC	Varistor / Capacitor
934-888-546	GDM21AM-D1U	D1:10A 230V, DC	Freilauf-/recoverydiode
934-888-549	GDM21AM-D3U	D3:1A 230V, AC/DC	-
934-888-567	GDM21AM-V1Q	V1:10A 24V, AC/DC	Varistor
934-888-568	GDM21AM-V1S	V1:10A 120V, AC/DC	Varistor
934-888-569	GDM21AM-V1U	V1:10A 230V, AC/DC	Varistor
934-888-573	GDM21AM-V3S	V3:1A 120V, AC/DC	Varistor
934-888-574	GDM21AM-V3U-10D	V3:1A 230V, AC/DC	Varistor