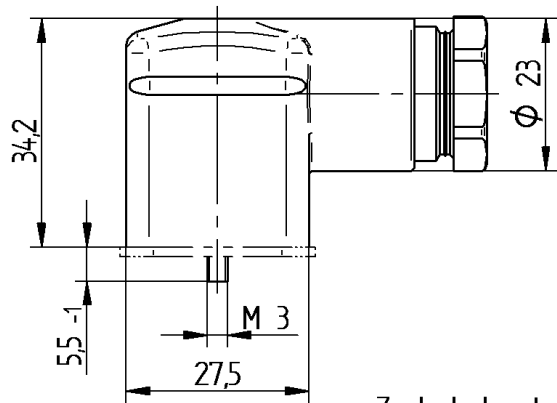
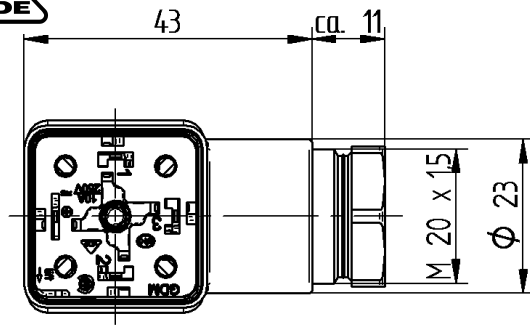


RoHS ✓

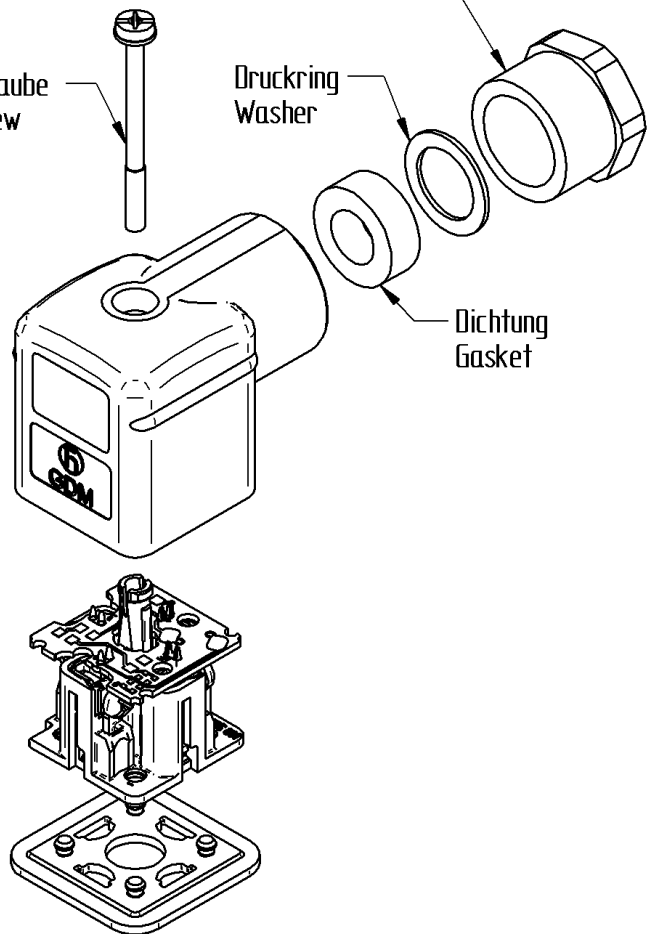


Zentralschraube
Central screw

Druckschraube
Cable gland

Druckring
Washer

Dichtung
Gasket



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, 3+PE, see standard products
Cable gland	M20x1,5 *
Strain-relief	on request
Conductor size	0,25 mm ² - 1,5 mm ²
Standard	DIN EN 175301-803-A
Construction type	A
Color housing	black, transparent **
Color contact bearer	black

* Cable gland: PG9, PG11 on request

** other colors on request

Description of wiring

Function indicator	optional, see circuits
Current consumption	<20 mA, LED function indicator
Voltage rectifier	optional full bridge rectifier, see circuits.
Protective circuit	Overview voltage ranges: nominal voltage / max. voltage 12 V / 15 V 24 V / 30 V 48 V / 60 V 120 V / 150 V 230 V / 250 V

Overview nominal voltage and protective circuit

12 V	: Suppressordiode, Breakdownvoltage: 36 V
24 V	: Suppressordiode, Breakdownvoltage: 36 V
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 10 A, LED function indicator
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	Ø4,5 mm to Ø11 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 6 GF*
Central screw	4.8 , Fe/Zn B **
Gasket(s)	SBR/NBR *, cable gland
Cable gland screw	PA 6 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 ***
Protection class (IEC 60529) *	IP67
Temperature range	-5 °C to +90 °C, notice Derating

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

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

Flammability class

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

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

Approvals

VDE	VDE-Reg.-Nr.: E349
-----	--------------------

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

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

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

central screw:

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)

M 16x1,5: (250-375) Ncm

Fastening torque (contact screw)

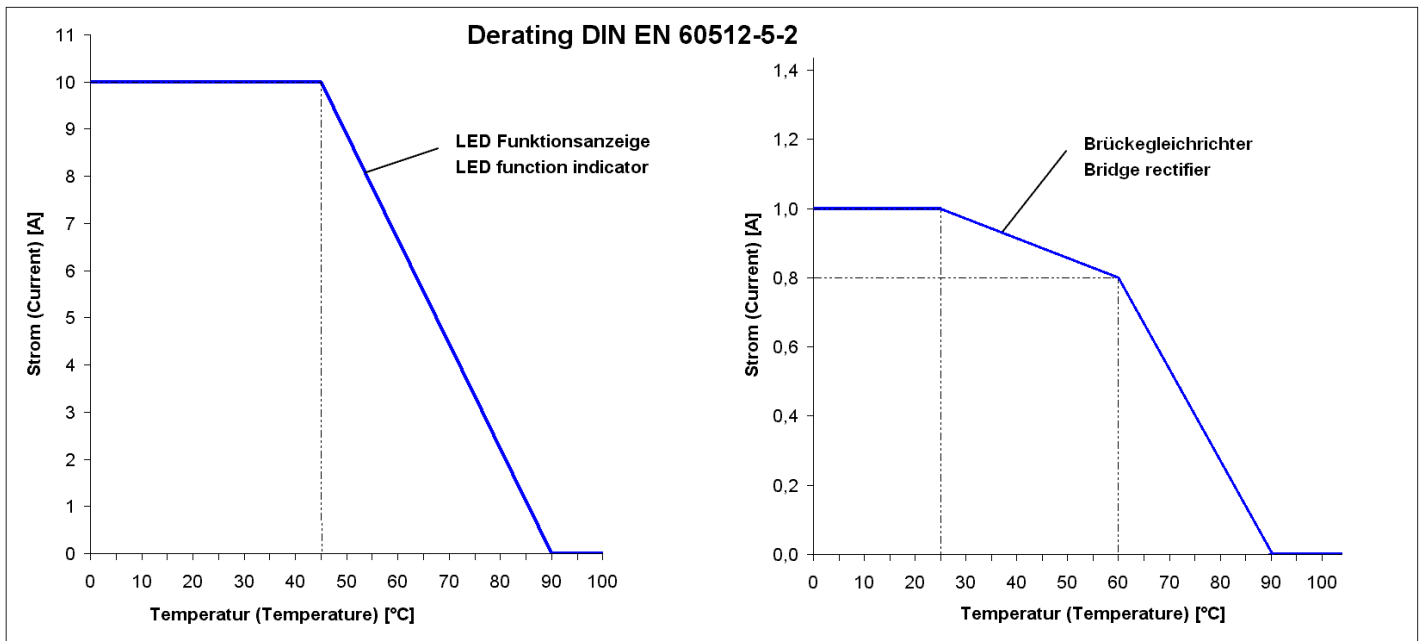
M 3: (40-50) Ncmfor Wiresize: 0,5 mm² bis 1,5 mm²

M 3: (30-40) Ncmfor Wiresize: 0,34 mm²

M 3: (25-30) Ncmfor Wiresize: 0,25 mm²

Cutline

Do not connect / disconnect under load.



Brückengleichrichter * Bridge rectifier *	Schutzbeschaltungen protective circuit	Funktionsanzeige LED gelb function indicator LED yellow	Öffner / Schliesser pressure switch
ohne Schutzbeschaltung without protective circuit Productcode: D3 with LED: D4	1A / 230V RC-Glied RC-element Productcode: C1 with LED: C2	10A / 230V ohne Schutzbeschaltung without protective circuit Productcode: L1	10A / 24V 48V 120V 230V LED: RD/GN or GN/YE Productcode: P1
mit Suppressordiode with suppressordiode Productcode: S3 with LED: S4	1A / 24V Suppressordiode suppressordiode Productcode: S1	10A / 24V mit Suppressordiode with suppressordiode Productcode: S2	10A / 24V 48V 120V 230V LED: RD/GN or GN/YE Productcode: P2
mit Varistor with varistor Productcode: V3 with LED: V4	1A / 24V 48V 120V 230V Varistor varistor Productcode: V1	10A / 24V 48V 120V 230V mit Varistor with varistor Productcode: V2	10A / 24V 48V 120V 230V LED: RD/GN or GN/YE Productcode: P3
mit Varistor und Kondensator with varistor and condensator Productcode: C3 with LED: C4	1A / 230V Freilaufdiode recovery diode Productcode: D1	10A / 24V 48V 120V 230V mit Freilaufdiode with recovery diode Productcode: D2	10A / 24V 120V 230V LED: RD/GN or GN/YE Productcode: P4

* alle Brückengleichrichter optional mit Funktionsanzeige LED gelb
all bridge rectifiers optionally with function indicator LED yellow
LED-Farben: rot grün, blau auf Anfrage
LED-color: red, green, blue on request

Standard products

Artikel-No.	Type	Description of wiring	Protective circuit	Function indicator
934-888-041	GDM210A-C1U	C1:10A 230V, AC/DC	RC-Glied/RC-element	
934-888-042	GDM21FA-C2Y-10D	C2:10A 230V, AC/DC	RC-Glied/RC-element	LED: gelb / yellow
934-888-043	GDM210A-C3S-10D	C3:1A 120V, AC/DC	Varistor / Capacitor	
934-888-044	GDM210A-C3U-10D	C3:1A 230V, AC/DC	Varistor / Capacitor	
934-888-045	GDM21FA-C4Y-10D	C4:1A 230V, AC/DC	Varistor / Capacitor	LED: gelb / yellow
934-888-046	GDM210A-D1U-10D	D1:10A 230V, DC	Freilauf-/recoverydiode	
934-888-047	GDM21FA-D24-10D	D2:10A 24V, DC	Freilauf-/recoverydiode	LED: gelb / yellow
934-888-048	GDM21FA-D28-10D	D2:10A 48V, DC	Freilauf-/recoverydiode	LED: gelb / yellow
934-888-049	GDM210A-D3U-10D	D3:1A 230V, AC/DC	-	
934-888-050	GDM21FA-D44-10D	D4:1A 24V, AC/DC	-	LED: gelb / yellow
934-888-051	GDM21FA-D48-10D	D4:1A 48V, AC/DC	-	LED: gelb / yellow
934-888-052	GDM21FA-L12-10D	L1:10A 12V, AC/DC	-	LED: gelb / yellow
934-888-053	GDM21FA-L14-10D	L1:10A 24V, AC/DC	-	LED: gelb / yellow
934-888-054	GDM21FA-L18-10D	L1:10A 48V, AC/DC	-	LED: gelb / yellow
934-888-055	GDM21FA-L11-10D	L1:10A 120V, AC/DC	-	LED: gelb / yellow
934-888-056	GDM21FA-L1Y-10D	L1:10A 230V, AC/DC	-	LED: gelb / yellow
934-888-057	GDM31FA-P1J-10D	P1:10A 24V, DC	-	rot/grün / red/green
934-888-058	GDM31FA-P1N-10D	P1:10A 230V, DC	-	rot/grün / red/green
934-888-060	l6 GDM31FA-P2N	P2:10A 230V, DC	-	rot/grün / red/green
934-888-061	GDM210A-S1Q-10D	S1:10A 24V, AC/DC	Suppressordiode	
934-888-062	GDM21FA-S22-10D	S2:10A 12V, AC/DC	Suppressordiode	LED: gelb / yellow
934-888-063	GDM21FA-S24-10D	S2:10A 24V, AC/DC	Suppressordiode	LED: gelb / yellow
934-888-064	GDM210A-S3Q-10D	S3:1A 24V, AC/DC	Suppressordiode	
934-888-065	GDM21FA-S44-10D	S4:1A 24V, AC/DC	Suppressordiode	LED: gelb / yellow
934-888-067	GDM210A-V1Q-10D	V1:10A 24V, AC/DC	Varistor	
934-888-068	GDM210A-V1S-10D	V1:10A 120V, AC/DC	Varistor	
934-888-069	GDM210A-V1U-10D	V1:10A 230V, AC/DC	Varistor	
934-888-070	GDM21FA-V24-10D	V2:10A 24V, AC/DC	Varistor	LED: gelb / yellow
934-888-071	GDM21FA-V21-10D	V2:10A 120V, AC/DC	Varistor	LED: gelb / yellow
934-888-072	GDM21FA-V2Y-10D	V2:10A 230V, AC/DC	Varistor	LED: gelb / yellow
934-888-073	GDM210A-V3S-10D	V3:1A 120V, AC/DC	Varistor	
934-888-074	GDM210A-V3U-10D	V3:1A 230V, AC/DC	Varistor	
934-888-075	GDM21FA-V44-10D	V4:1A 24V, AC/DC	Varistor	LED: gelb / yellow
934-888-076	GDM21FA-V48-10D	V4:1A 48V, AC/DC	Varistor	LED: gelb / yellow