



Cable plug, form A according to DIN EN 175301-803

- Versions with protective circuits with or without LED
- Simple connection and safe contacting
- Approval UR and CSA (depending on variant)
- Available with and without cable



Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 6013 Plunger valve 2/2 way direct-acting	▶
	Type 0330 Direct-acting 2/2 or 3/2-way pivoted armature valve	▶
	Type 6213 Servo-assisted 2/2 way diaphragm valve	▶

Type description

Plug for the connection of electrical components according to DIN EN 175301-803 Form A. Type 2518 offers easy connection of lines as well as reliable contacting. A wide range of protective circuits with or without LED are available.

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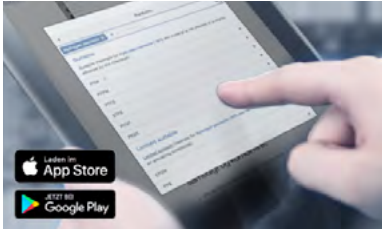
1. General technical data

Product properties	Field attachable cable plug (without cable)	Moulded cable plug (with cable)
Dimensions	Detailed information can be found in chapter “3. Dimensions” on page 6.	
Material		
Seal	NBR (Standard) EPDM and silicone can be ordered as a set	TPU, moulded
Cover	Polyamide	–
Cable	–	PUR
Contact	Brass	Brass
Operating display	Yellow LED, if available	Yellow LED, if available
Cable outlet	Can be rotated through 4x90°	On or opposite PE
Cable gland	M16x1.5	–
Number of poles	See “5.3. Ordering chart” on page 12	See “5.3. Ordering chart” on page 12
Transition resistance	≤10 mΩ Standard	≤10 mΩ Standard
Electrical data		
Nominal voltage	Depends on the version Detailed information can be found in chapter “5. Ordering information” on page 11.	Depends on the version Detailed information can be found in chapter “5. Ordering information” on page 11.
Medium data		
Continuous maximum temperature ^{1.)}		
Cable plug	-40 °C...+125 °C	-25 °C...+85 °C
Seal NBR	-30 °C...+90 °C	–
Seal EPDM	-40 °C...+125 °C	–
Seal silicone	-55 °C...+140 °C	–
Approvals and certificates		
Protection class	IP65 / IP67 (see “5.3. Ordering chart” on page 12)	IP65 / IP67
UL E315587, Vol.1, Sec. 4 UL2238, CSA E315587, CSA-22.2 No. 182	All versions with clamping ring and without LED	–
VDE	All versions except pole protection and free-wheeling diode with or without LED	All versions except pole protection and free-wheeling diode with or without LED
Process/Port connection & communication		
Suitable cables	Ø 6.0...Ø 8.0 mm with UR approval Ø 4.5...Ø 10.0 mm without UR approval	–
Connection type	Screw terminal	–
Conductor size	0.25 mm²...1.5 mm²	0.75 mm²
Electrical connection	Acc. DIN EN 175301 - 803 form A	Acc. DIN EN 175301 - 803 form A
Plug cycles	Max. 50	Max. 50

1.) Note derating (see [“4.1. Derating diagram” on page 8](#))!

2. Materials

2.1. Chemical Resistance Chart – Bürkert resistApp



Bürkert resistApp – Chemical Resistance Chart

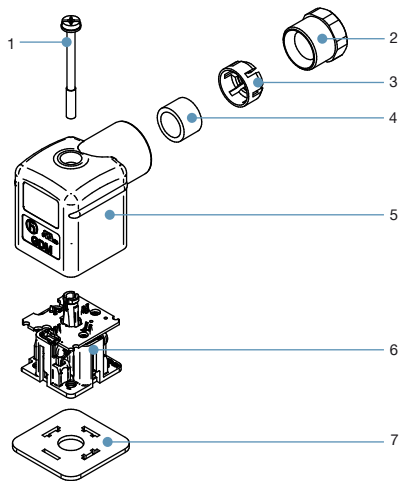
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start Chemical Resistance Check

2.2. Version with UR-Approval, field attachable

Available circuitry:

- Without circuitry
- With varistor
- With bridging rectifier and varistor
- With pole protection diode and free wheeling diode



No.	Element	Material
1	Central screw	Stainless steel
2	Pressure screw	Polyamide
3	Clamping ring	–
4	Seal	–
5	Cover	Polyamide
6	Contact holder	Polyamide
7	Seal	NBR

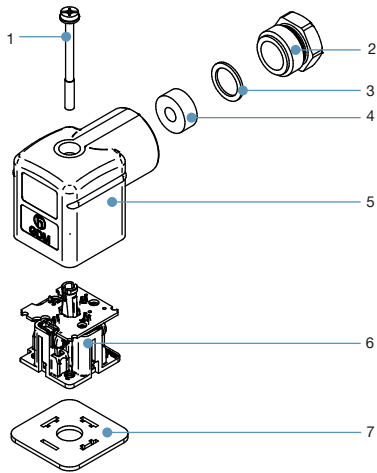
2.3. Version without UR-Approval, field attachable

Available circuitry:

- Without circuitry (only in PU 200 pieces see “Cable plug without cable, field attachable” on page 12)
- With LED
- With LED and varistor
- With LED, bridging rectifier and varistor
- With pole protection diode, free wheeling diode and LED

Note:

All versions with LED have no UR approval.



No.	Element	Material
1	Central screw	Stainless steel
2	Pressure screw	Polyamide
3	Pressure ring	–
4	Seal	–
5	Cover	Polyamide
6	Contact holder	Polyamide
7	Seal	NBR

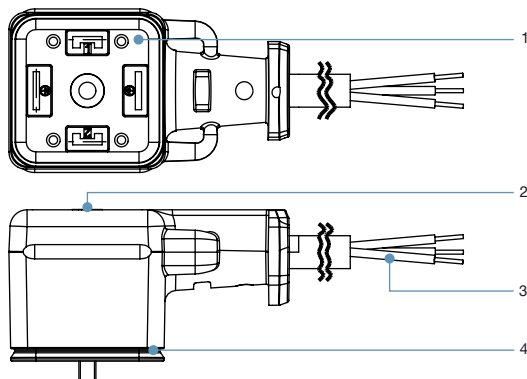
2.4. Version with cable

Available circuitry:

- Without circuitry
- With LED
- With varistor
- With bridging rectifier and varistor
- With LED and varistor
- With LED, bridging rectifier and varistor
- With pole protection diode and free wheeling diode
- With pole protection diode, free wheeling diode and LED

Note:

All versions with cable do not have UR approval.



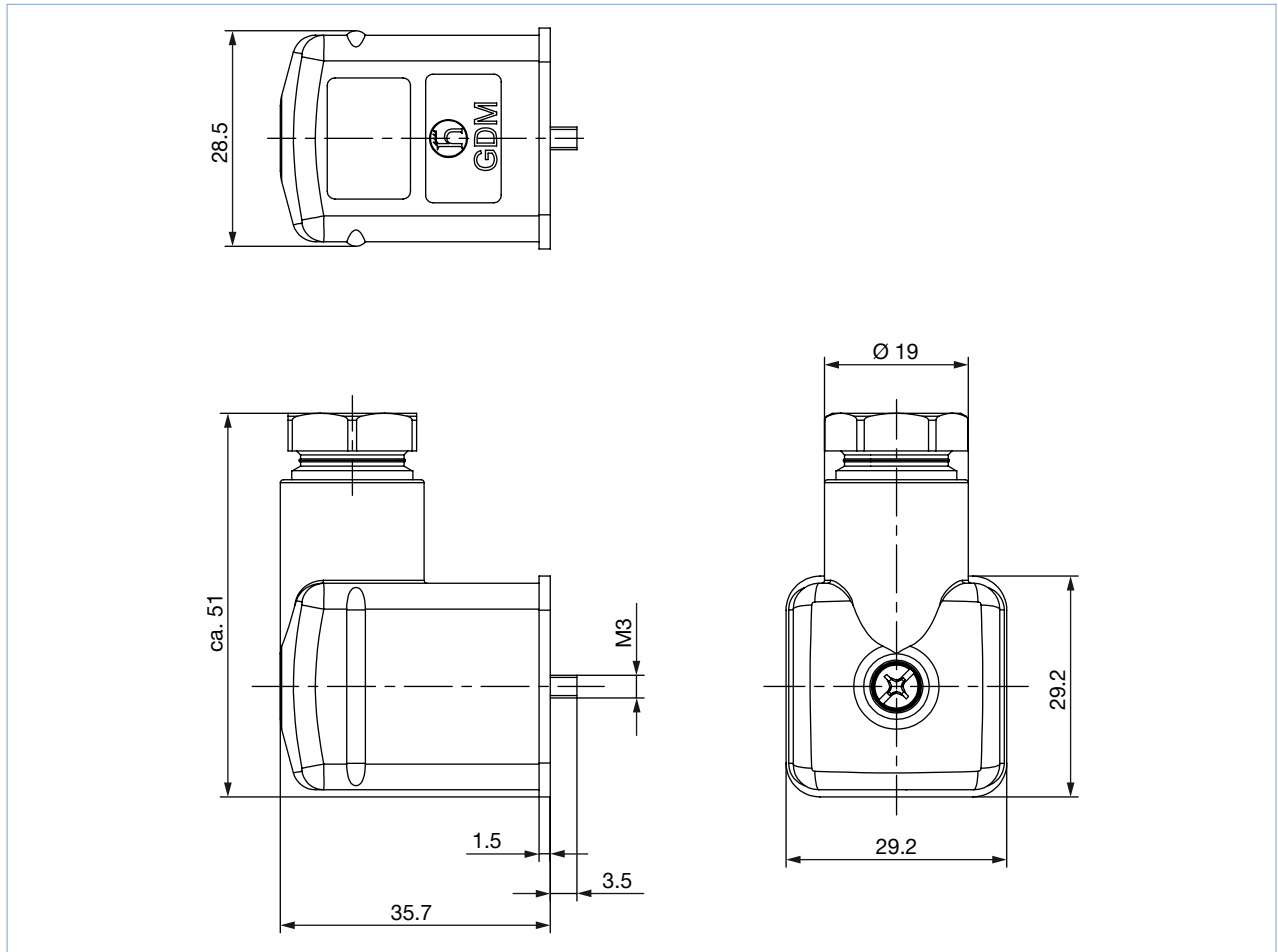
No.	Element	Material
1	Contact holder	PBT GF
2	Central screw	V2 A
3	Cable	PUR
4	Seal moulded on	TPU

3. Dimensions

3.1. Cable plug without cable, field attachable

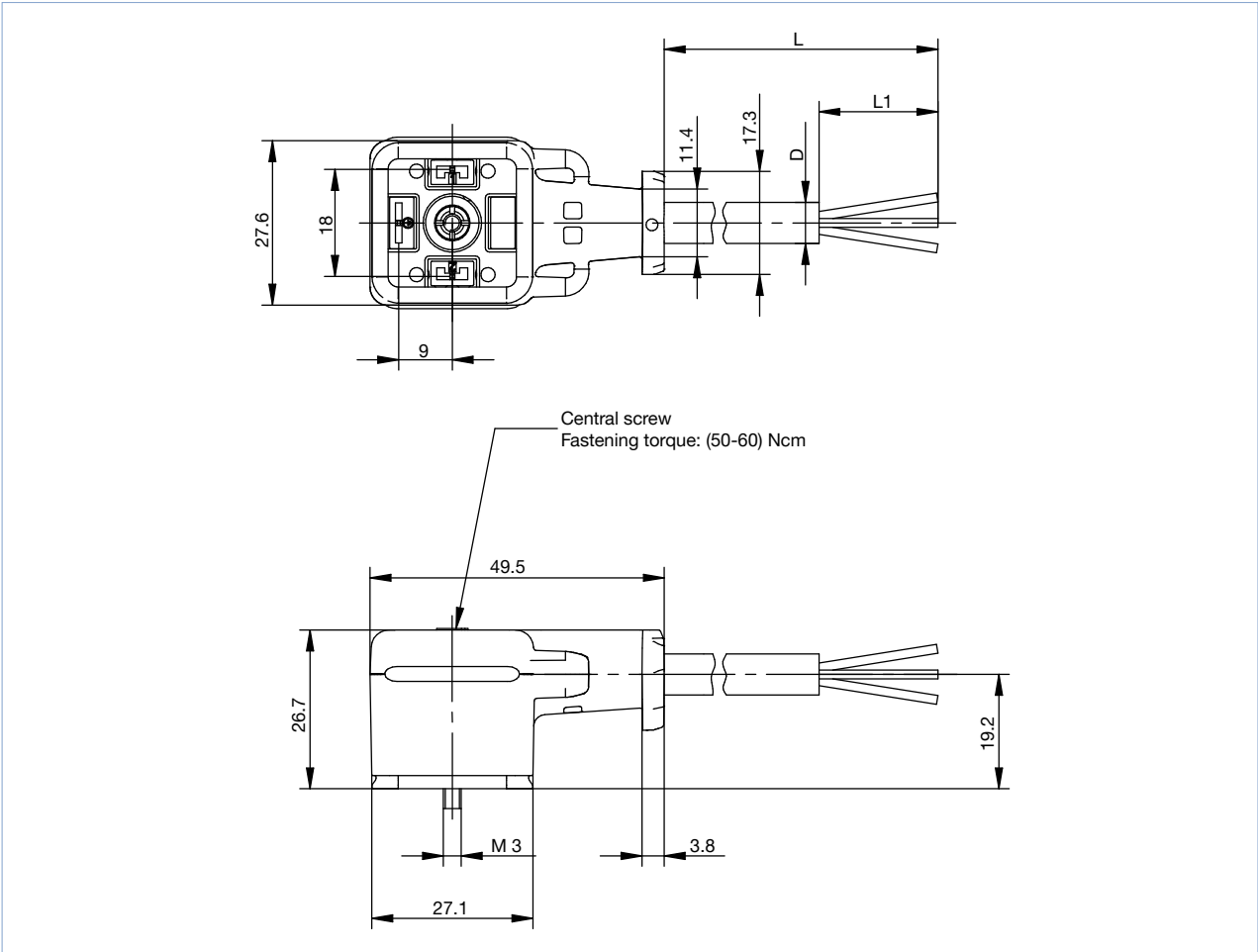
Note:

Dimensions in mm



3.2. Cable plug with cable, moulded

Note:
Dimensions in mm



Note on the length tolerances:

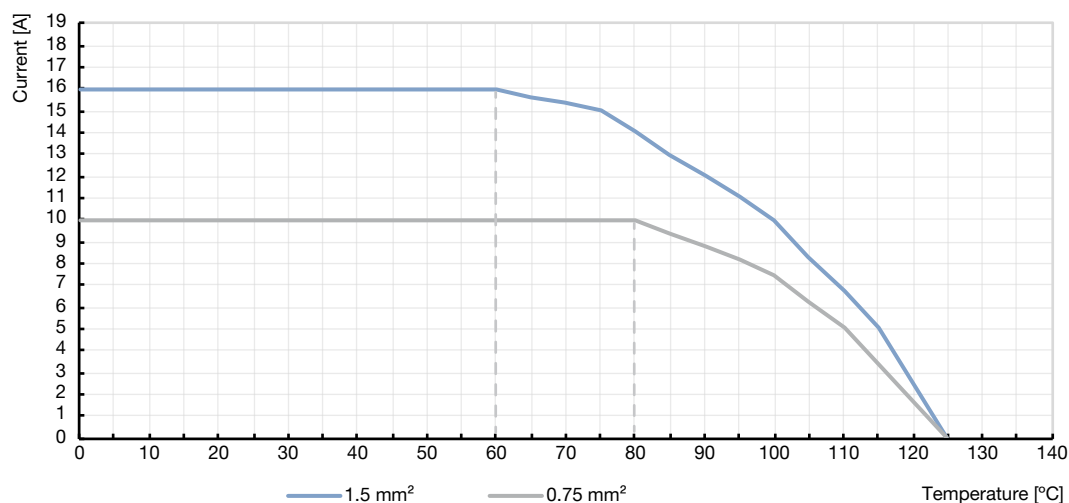
Cable length prefabricated part		Stripping length
L	Tolerances of L	L1
< 1 m	- 10/+ 20	60 ± 1
< 1...2 m	- 20/+ 50	60 ± 1
> 2...5 m	- 40/+ 70	60 ± 1
> 5...10 m	- 90/+ 120	60 ± 1
> 10 m	- 120/+ 140	60 ± 1

4. Performance specifications

4.1. Derating diagram

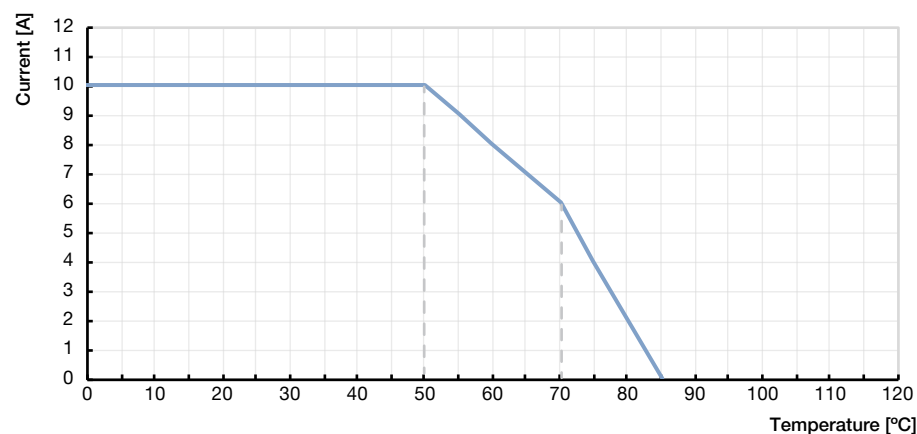
Versions without wiring, 2 pin and 3 pin

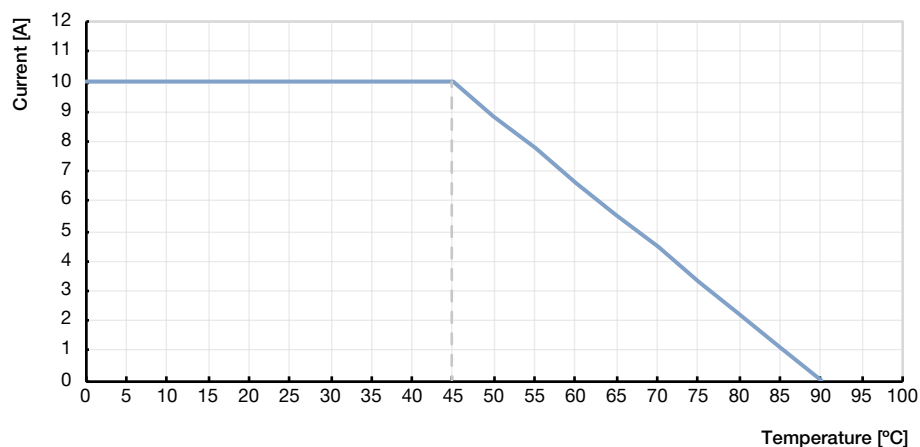
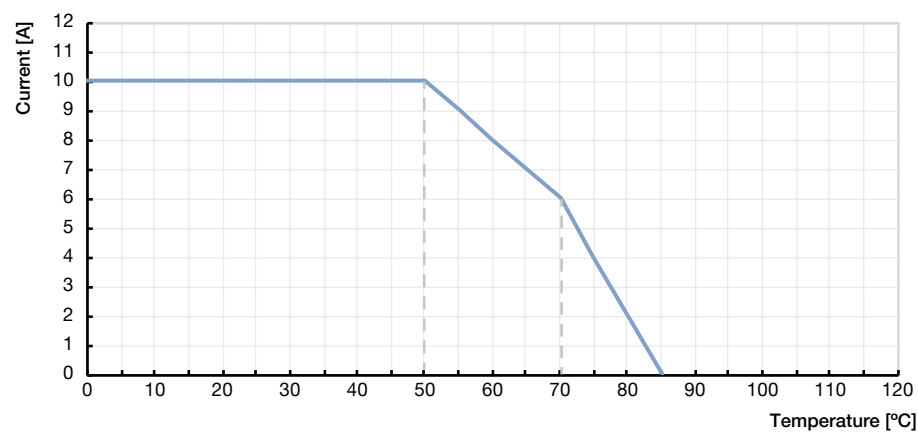
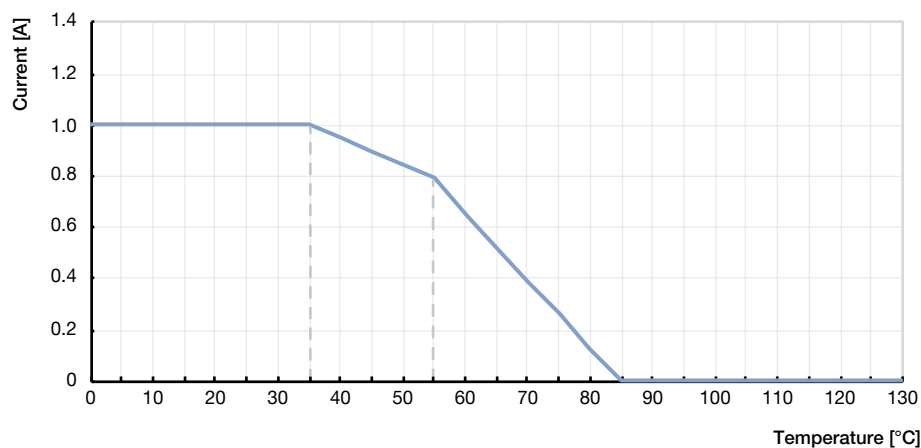
Derating DIN EN 175301-803



Versions without wiring, 2 pin and 3 pin, moulded

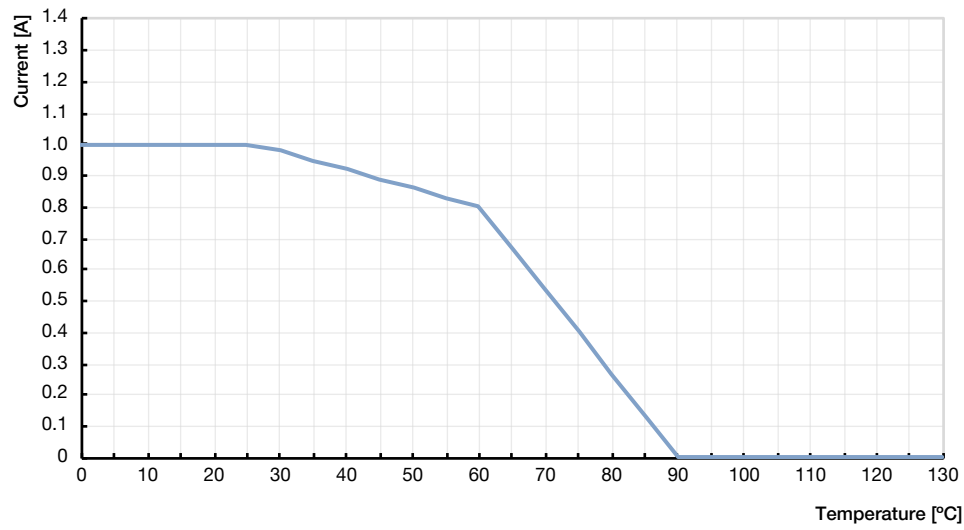
Derating DIN EN 60512-5-2



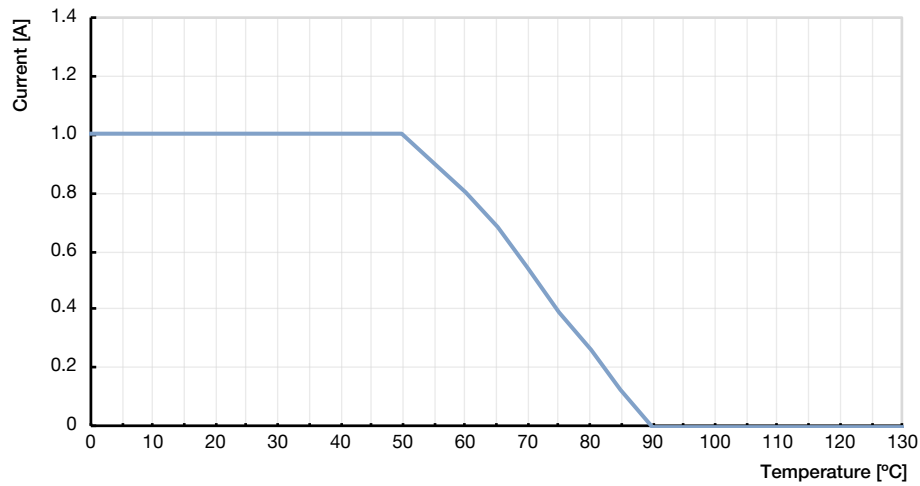
Versions with LED or varistor or LED and varistor, field attachable
Derating - LED, LED and varistor

Versions with LED or varistor or LED and varistor, moulded
Derating DIN EN 60512-5-2

Versions with bridge rectifier, varistor with and without LED, field attachable
Derating DIN EN 60512-5-2


Versions with bridge rectifier, varistor with and without LED, moulded

Derating DIN EN 60512-5-2

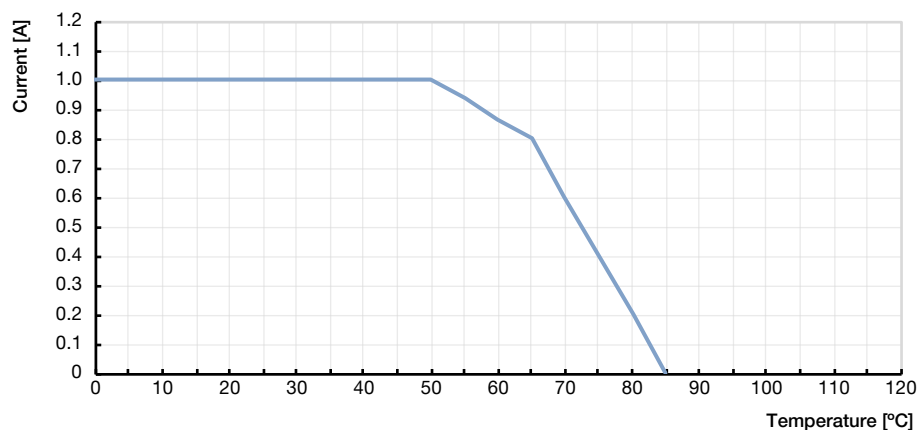
**Versions with pole protection diode, free-wheeling diode with and without LED, field attachable**

Derating DIN EN 60512-5-2



Versions with pole protection diode, free-wheeling diode with and without LED, moulded

Derating DIN EN 60512-5-2



5. Ordering information

5.1. Bürkert eShop – Easy ordering and quick delivery



Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

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5.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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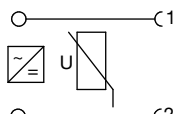
5.3. Ordering chart

Cable plug without cable, field attachable

Note:

Delivery in poly bag with stainless steel screw and NBR seal.

Circuitry	Operating voltage [V/Hz]	Rated voltage [V/Hz]	Continuous current	Number of poles without cable	Protection class without cable	Article no.
Without circuit						
	230 V AC/DC 300 V AC/DC (UL)	250 V (VDE) 300 V (UL)	10 A, (VDE, UL) 8 A, (CSA)	2+PE	IP65/IP67	314802 ^{1.)}
	230 V AC/DC	250 V	10 A (VDE)	2+PE	IP65	314803 ^{2.)}
Without circuit, 3-pins, protective earth conductor						
	230 V AC/DC 300 V AC/DC (UL)	250 V (VDE) 300 V (UL)	10 A (VDE)	3+PE	IP65/IP67	315329 ^{1.)}
With LED						
	24 V AC/DC	30 V	10 A	2+PE	IP65	314812 ^{1.)}
	120 V AC/DC	150 V	10 A	2+PE	IP65	315330 ^{1.)}
	230 V AC/DC	250 V	10 A	2+PE	IP65	315334 ^{1.)}
With Rectifier, LED and varistor						
	24 V AC/DC	30 V	1 A	2+PE	IP65	314816 ^{1.)}
	120 V AC/DC	150 V	1 A	2+PE	IP65	315338 ^{1.)}
	230 V AC/DC	250 V	1 A	2+PE	IP65	315342 ^{1.)}
With LED and varistor						
	24 V AC/DC	30 V	10 A	2+PE	IP65	314820 ^{1.)}
	120 V AC/DC	150 V	10 A	2+PE	IP65	315346 ^{1.)}
	230 V AC/DC	250 V	10 A	2+PE	IP65	314825 ^{1.)}
With varistor						
	24 V AC/DC	30 V	10 A	2+PE	IP65/IP67	314826 ^{1.)}
	230 V AC/DC	250 V	10 A	2+PE	IP65/IP67	315353 ^{1.)}
With pole protection, free wheeling diode and LED						
	24 V DC	30 V	1 A	2+PE	IP65	315357 ^{1.)}
With pole protection and free wheeling diode						
	230 V DC	250 V	1 A	2+PE	IP65/IP67	314830 ^{1.)}

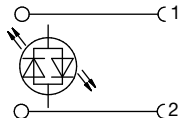
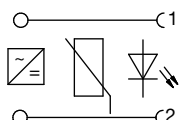
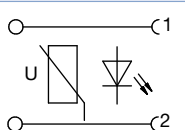
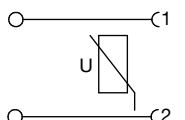
Circuitry	Operating voltage	Rated voltage	Continuous current	Number of poles without cable	Protection class without cable	Article no.
	[V/Hz]	[V/Hz]				
With rectifier and varistor						
	230 V AC/DC	250 V	1 A	2+PE	IP65/IP67	314839 ^{4.)}

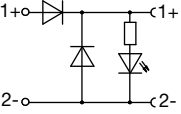
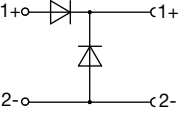
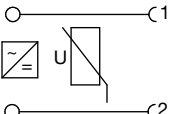
1.) cURus approval E315587

2.) Only available as PU of 200 pieces and with galvanized steel screw and NBR sealing.

Cable plug with cable, moulded**Note:**

Delivery in poly bag with stainless steel screw and NBR seal.

Circuitry	Operating voltage	Rated voltage	Continuous current	Number of poles with cable	Protection class with cable	Article no.		
	[V/Hz]	[V/Hz]				With 1 m cable	With 3 m cable	With 5 m cable
Without circuit								
	230 V AC/DC	250 V AC/DC	10 A	2+2PE	IP65/IP67	314806	314807	314808
Without circuit, 3-pins, protective earth conductor								
	230 V AC/DC	250 V AC/DC	10 A	3+PE	IP65/IP67	314809	314810	314811
With LED								
	24 V AC/DC	30 V	10 A	2+2PE	IP65/IP67	314813	314814	314815
	120 V AC/DC	150 V	10 A	2+2PE	IP65/IP67	315331	315332	315333
	230 V AC/DC	250 V	10 A	2+2PE	IP65/IP67	315335	315336	315337
With Rectifier, LED and varistor								
	24 V AC/DC	30 V	1 A	2+PE	IP65/IP67	314817	314818	314819
	120 V AC/DC	150 V	1 A	2+PE	IP65/IP67	315339	315340	315341
	230 V AC/DC	250 V	1 A	2+PE	IP65/IP67	315343	315344	315345
With LED and varistor								
	24 V AC/DC	30 V	10 A	2+2PE	IP65/IP67	314821	314822	314824
	120 V AC/DC	150 V	10 A	2+2PE	IP65/IP67	315347	315348	315349
	230 V AC/DC	250 V	10 A	2+2PE	IP65/IP67	315350	315351	315352
With varistor								
	24 V AC/DC	30 V	10 A	2+2PE	IP65/IP67	314827	314828	314829
	230 V AC/DC	250 V	10 A	2+2PE	IP65/IP67	315354	315355	315356

Circuitry	Operating voltage	Rated voltage	Continuous current	Number of poles with cable	Protection class with cable	Article no.		
	[V/Hz]	[V/Hz]				With 1 m cable	With 3 m cable	With 5 m cable
With pole protection, free wheeling diode and LED								
	24 V DC	30 V	1 A	2+2PE	IP65/IP67	315358 	314837 	314838 
With pole protection and free wheeling diode								
	230 V DC	250 V	1 A	2+2PE	IP65/IP67	314831 	314832 	314833 
With rectifier and varistor								
	230 V AC/DC	250 V	1 A	2+PE	IP65/IP67	314840 	314841 	314842 

Further versions on request

**Material**

Further seal materials on request

5.4. Ordering chart accessories

Sealing kits

Note:

Please note that the screw kit is only suitable for ready-made versions.

Description	Material	Packaging unit	Article no.
Sealing kit SC02 - 2518 - 700	EPDM	50 pieces	356539 𐀀
Sealing kit SC02 - 2518 - 700	Silicone	50 pieces	356537 𐀀
Sealing kit SC02 - 2518 - 700	NBR	50 pieces	20005658 𐀀
Screw kit SC02 - 2518 - 700	Stainless steel	100 pieces	356540 𐀀

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DTS 1000386347 EN Version: E Status: RL (released | freigegeben | validé) printed: 24.11.2022

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