



Cable Plug Form A

- Versions with protective circuits with and without LED
- Easy connection and reliable contacting
- Approval UR and CSA (depending on version)
- 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 (previously DIN 43650, Form A). Type 2518 offers easy connection of cables as well as reliable contacting. A wide range protective circuits with and without LED are available.

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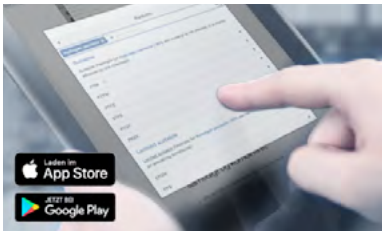
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1. General technical data

Product properties	Angled (without cable)	Moulded (with cable)
Materials		
Cover	Polyamide	–
Contact material	Brass	Brass
Seal materials	NBR	TPU, moulded
Cable	–	PUR
Cable outlet	Can be rotated through 4x90°	–
Cable gland	M16x1.5 angled variants	–
Transition resistance	≤ 10 mΩ Standard	≤ 10 mΩ Standard
Pole number	2+PE	–
Electrical data		
Nominal voltage	Yes – according to version Detailed information can be found in chapter “5. Ordering information” on page 11.	Yes – according to version Detailed information can be found in chapter “5. Ordering information” on page 11.
Performance data		
Operating display	Yellow LED, if available	Yellow LED, if available
Medium data		
Continuous limit temperature	-30 °C...+90 °C	-40 °C...+105 °C
Approvals and Certificates		
Protection class	IP65, IP67	IP65, IP67
UL	All versions with clamping ring	–
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
Product connections		
Connection type	Screw terminal	–
Electrical connection	Tag connectors acc. DIN EN 175301 – 803 form A	Tag connectors acc. DIN EN 175301 – 803 form A
Plug cycles	Max. 50	Max. 50
Suitable cables	Ø6.0...Ø8.0 mm, 0.205...1.5mm ²	–
Conductor size	0.25 mm ² ...1.5 mm ²	0.75 mm ²

2. Materials

2.1. Chemical Resistance Chart – Bürkert resistApp

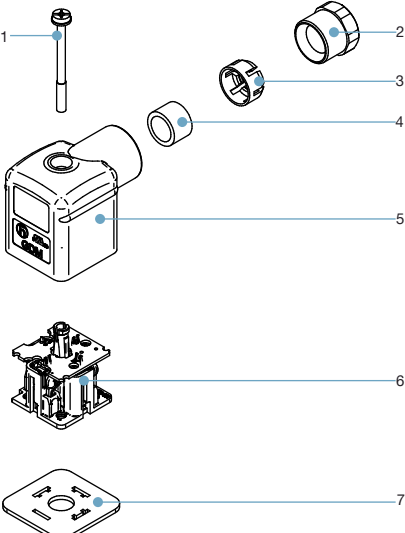


Bürkert resistApp – Chemical Resistance Chart

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.

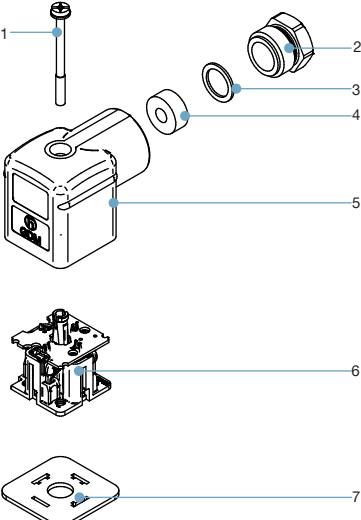
Start Chemical Resistance Check

2.2. Version with UR-Approval, angled



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, angled



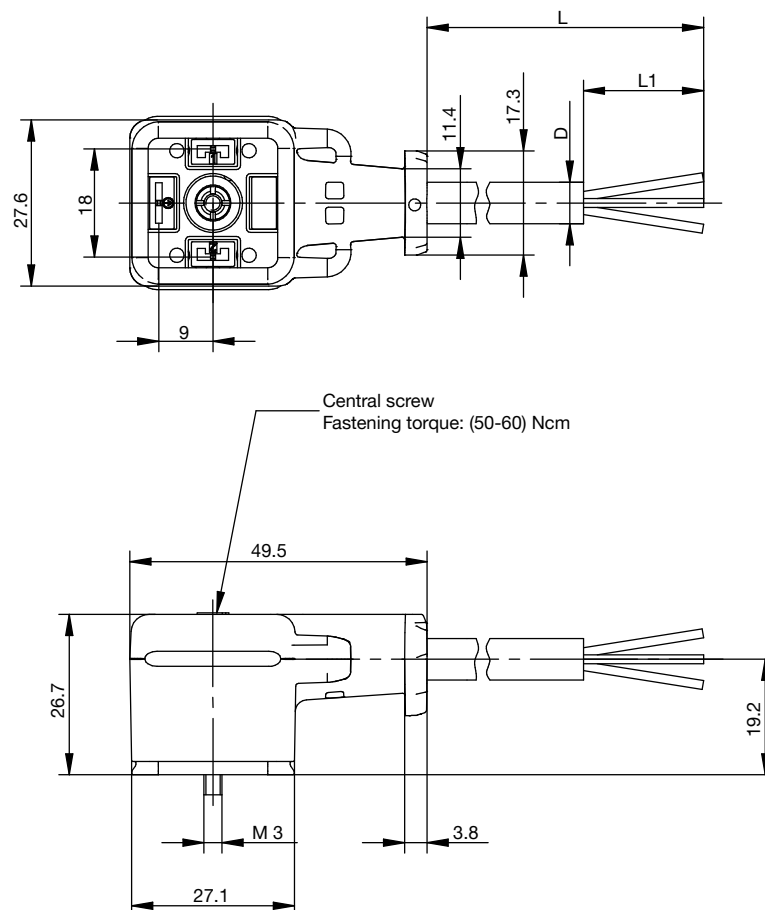
No.	Element	Material
1	Central screw	Steel, galvanized
2	Pressure screw	Polyamide
3	Pressure ring	–
4	Seal	–
5	Cover	Polyamide
6	Contact holder	Polyamide
7	Seal	NBR

3. Dimensions

3.1. Moulded version

Note:

Dimensions in mm



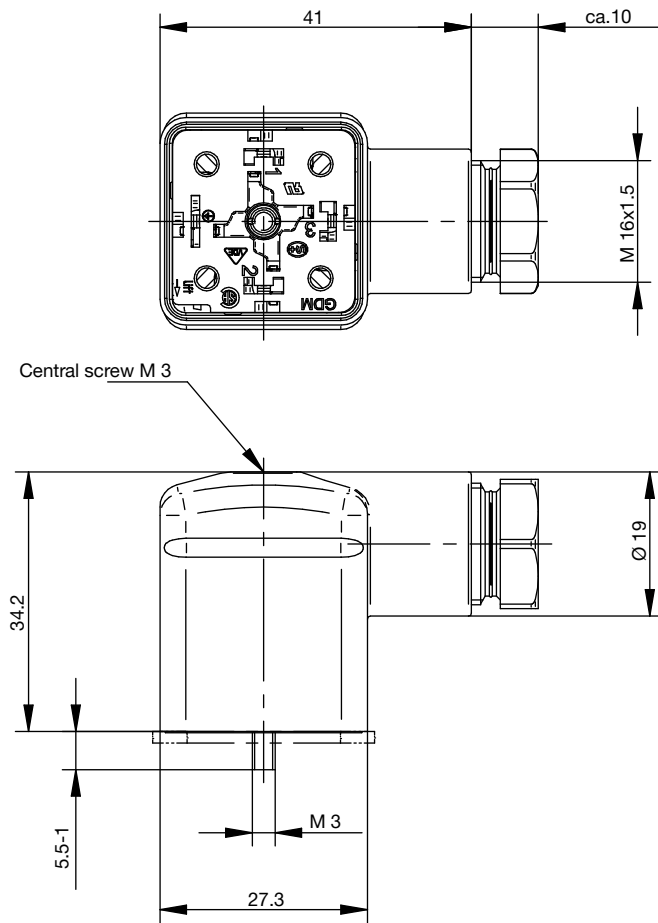
Note on the length tolerances:

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

3.2. Angled version

Note:

Dimensions in mm

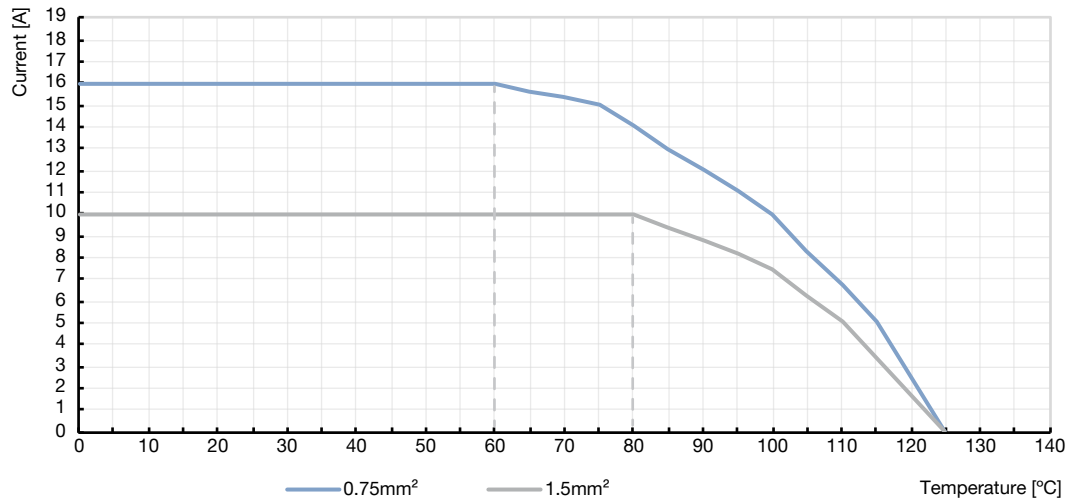


4. Performance specifications

4.1. Derating diagram

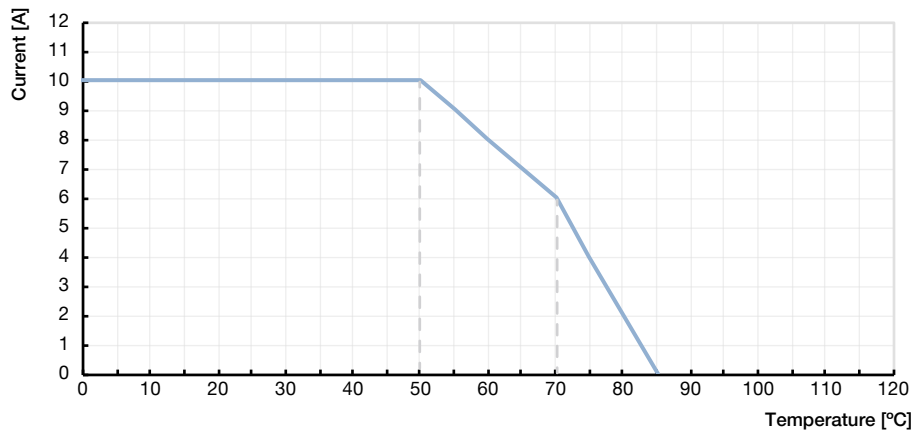
Versions without circuit, 2- and 3-poles

Derating DIN EN 175301-803



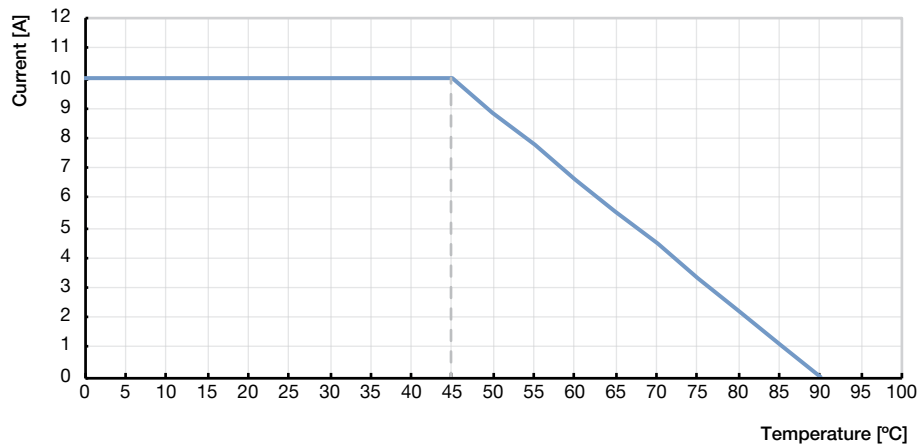
Versions without circuit, 2- and 3-poles, moulded

Derating DIN EN 60512-5-2

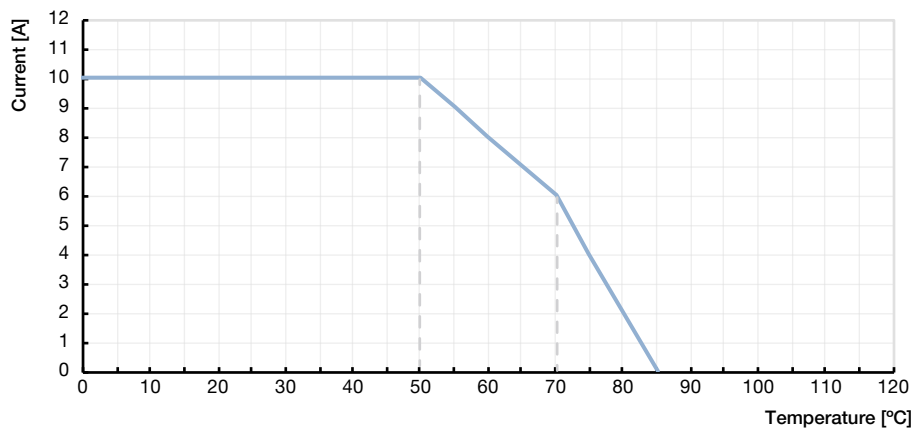


Versions with LED or varistor or LED and varistor, angled

Derating - LED, LED and varistor

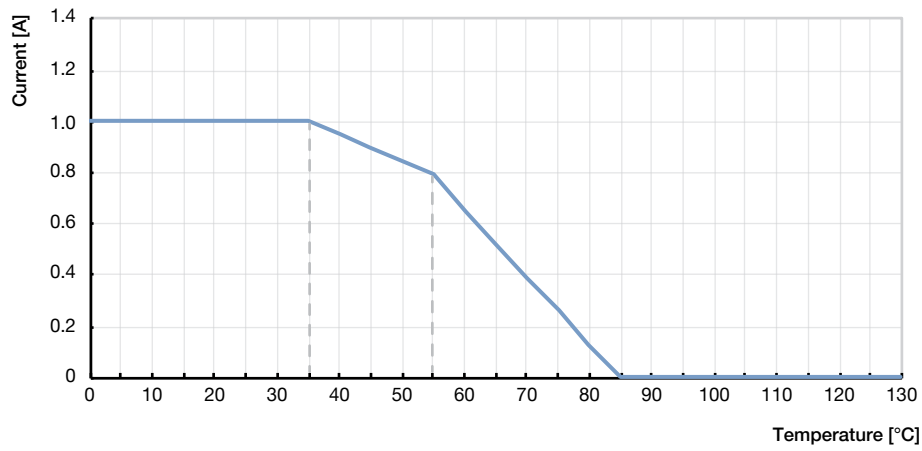
**Versions with LED or varistor or LED and varistor, moulded**

Derating DIN EN 60512-5-2

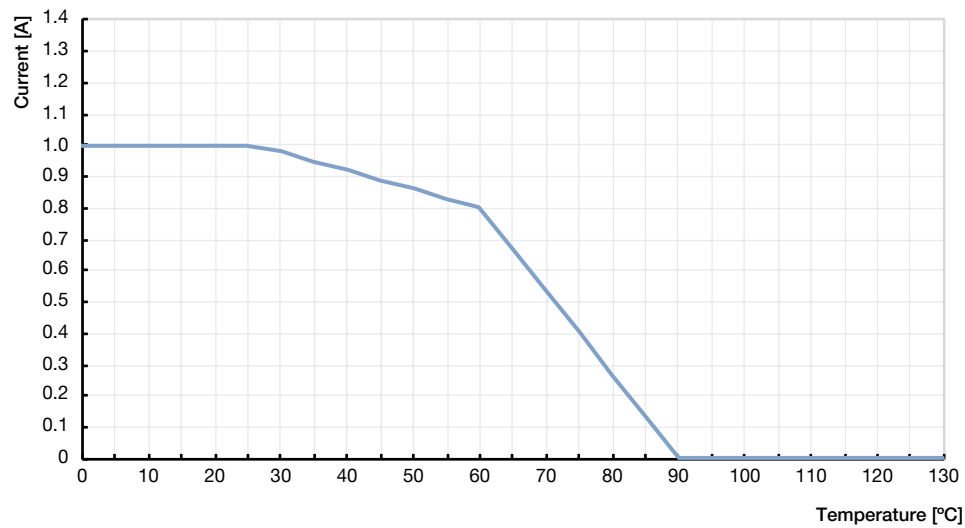


Versions with rectifier, varistor with and without LED, angled

Derating DIN EN 60512-5-2

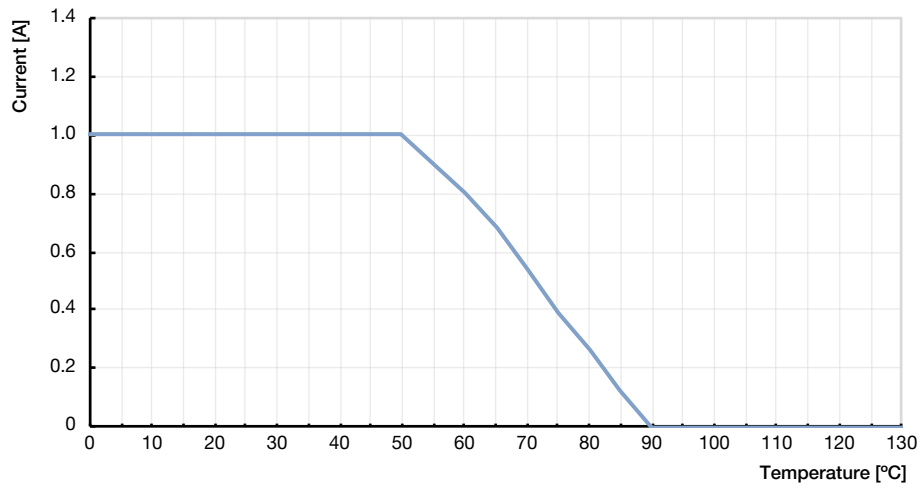
**Versions with rectifier, varistor with and without LED, moulded**

Derating DIN EN 60512-5-2

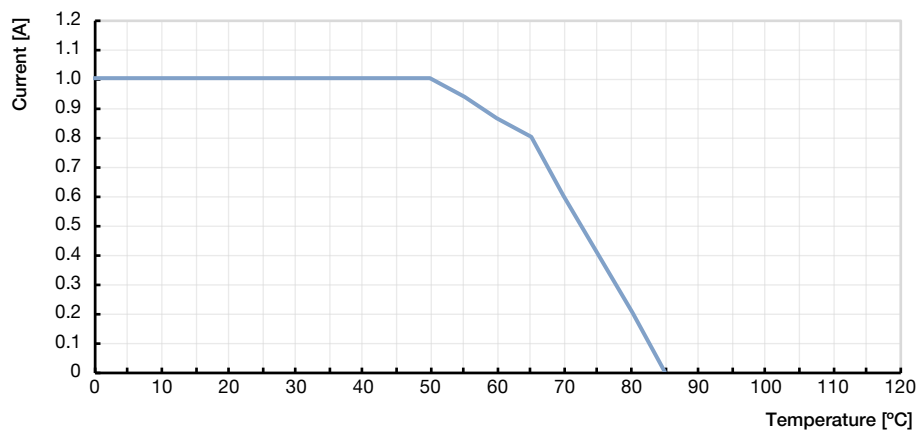


Versions with pole protection, free wheeling diode with and without LED, angled

Derating DIN EN 60512-5-2

**Versions with pole protection, 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



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5.2. Bürkert product filter

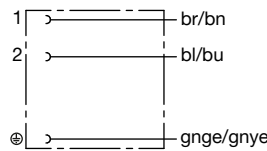
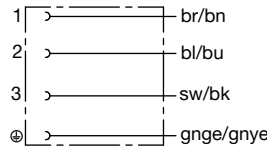
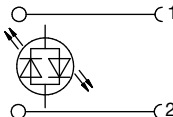
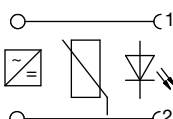


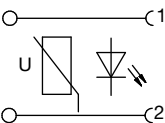
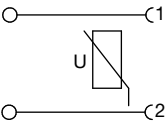
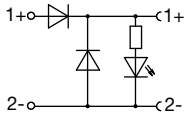
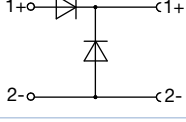
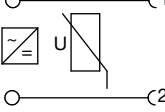
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5.3. Ordering chart

Circuitry	Voltage and version	Continuous current	Article no. acc. to voltage/frequency [V/Hz]			
			Without cable	With 1 m cable	With 3 m cable	With 5 m cable
Without circuit						
	0...250 V AC/DC	16 A 10 A (VDE, UL) 8 A (CSA)	314802 	314806 	314807 	314808 
Without circuit, 3-pins, protective earth conductor						
	0...250 V AC/DC	16 A 10 A (VDE)	315329 	314809 	314810 	314811 
With LED						
	12...24 V AC/DC	10 A	314812 	314813 	314814 	314815 
	100...120 V AC/DC	10 A	315330 	315331 	315332 	315333 
	200...240 V AC/DC	10 A	315334 	315335 	315336 	315337 
With Rectifier, LED and varistor						
	12...24 V AC/DC	1 A	314816 	314817 	314818 	314819 
	100...120 V AC/DC	1 A	315338 	315339 	315340 	315341 
	200...240 V AC/DC	1 A	315342 	315343 	315344 	315345 

Circuitry	Voltage and version	Continuous current	Article no. acc. to voltage/frequency [V/Hz]			
			Without cable	With 1 m cable	With 3 m cable	With 5 m cable
With LED and varistor						
	12...24 V AC/DC	10 A	314820 	314821 	314822 	314824 
	100...120 V AC/DC	10 A	315346 	315347 	315348 	314349 
	200...240 V AC/DC	10 A	314825 	315350 	315351 	315352 
With varistor						
	12...24 V AC/DC	10 A	314826 	314827 	314828 	314829 
	200...240 V AC/DC	10 A	315353 	315354 	315355 	315356 
With pole protection, free wheeling diode and LED						
	12...24 V AC/DC	1 A	315357 	315358 	314837 	314838 
With pole protection and free wheeling diode						
	12...240 V	1 A	314830 	314831 	314832 	314833 
With rectifier and varistor						
	220...240 V AC/DC	1 A	314839 	314840 	314841 	314842 

Further versions on request



Material

Further seal materials on request

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