



## VALVE CONNECTORS



## VALVE CONNECTORS

### • GENERAL FEATURES:

**Conductor cross section :**  
0.34(22AWG) ... 1.50mm<sup>2</sup>(16AWG).

**Fixing system :**  
Central fixing screw.

**Max. screw torque IEC60947-1**  
(Central fixing screw) :  
CG1-CM1-CM2-CP2 series: Max. 0.5 N \* m.  
CP1 series: Max. 0.4 N \* m.

**Type of terminations :**  
To solder.

**Contact material and treatment :**  
Brass + Silver plated.

**Housing material :**  
Polypropylene.

**Internalcore material :**  
PA66.

**Flammability resistance :**  
UL94-V2 - Standard

**Protection class :**  
IP67.

**Operating temperature :**  
-25°C +90°C (connector)  
(NBR gasket -40°C +90°C)  
(Silicone gasket -40°C +125°C)

**Nominal current :**  
10A (CP1-CP2 series: 6A).

**Max contact current :**  
16A (CP1-CP2 series: 10A).

**Overvoltage category IEC60664-1 :**  
III

**Pollution level IEC60664-1 :**  
3

**Contact resistance IEC 60512-2 :**  
≤ 5 mΩ

**Insulation class VDE 0110 1 / 89 :**  
Class C

CG1 N 0 2 00 0 C 02 2 - ##

#### SERIES

CG1 : EN175301-803 form A (18mm)  
CBG1 : EN175301-803 form A (18mm) with MALE contacts  
CG5 : form A (18mm) height ~33mm  
CGB : EN175301-803 form A (18mm) EXIT CABLE 180°  
CGBB : EN175301-803 form A (18mm) EXIT CABLE 180° with  
MALE contacts  
CM1 : INDUSTRIAL form B (11mm)  
CM2 : EN175301-803 form B (10mm)  
CM1B : INDUSTRIAL form B (11mm) EXIT CABLE 180°  
CP1 : EN175301-803 form C (8mm)  
CP2 : MICRO INDUSTRIAL form C (9.4mm)  
CP2C : MICRO INDUSTRIAL form C (9.4mm) EXIT CABLE 180°

#### COLOUR

G : GREY N : BLACK (STANDARD)

#### CABLE EXIT

0 : Moulded cable

#### POLES No.

2 : 2POLES + EARTH 3 : 3POLES + EARTH

#### CIRCUIT TYPE

SEE CIRCUITS FEATURES PAGE

#### VOLTAGE

0 : 250V / 300V 1 : 24V 2 : 115V 3 : 230V 4 : 12V 5 : 48 V

#### EARTH POSITION

A : H.6 B : H.12 C : DOUBLE H.6-12 D : H.3 E : H.9 F : DOUBLE H.3-9

#### CABLE TYPE

SEE CABLES FEATURES PAGE

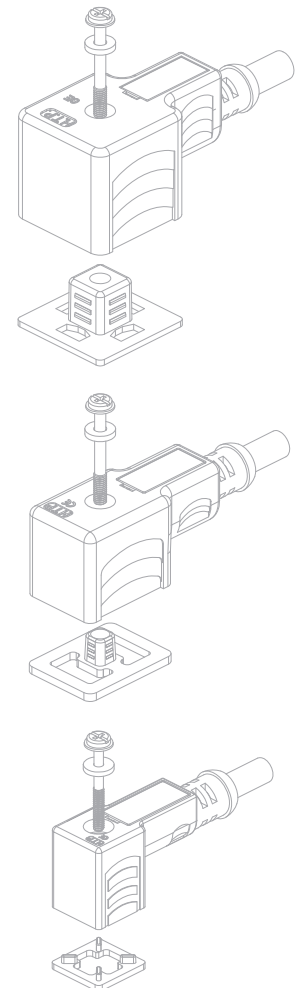
#### CABLE LENGHT

1 : 1m A : +10cm  
2 : 2m B : +20cm  
3 : 3m C : +30cm  
... I : +90cm

EXAMPLE: "...C022C" = 2.3m  
"...C022F" = 2.6m  
"...C022I" = 2.9m

#### SOME VARIABILITY

L : PROFILED GASKET SS : STAINLESS STEEL SCREW Y : WITHOUT H.T.P.LOGO  
4D : BRIDGE RECTIFIER WITH 4 DIODES 3A : ELECTRONIC COMPONENTS 3A  
12MA3 : EXTENSION M12 MALE 90° 3p. 12MD3 : EXTENSION M12 MALE 180° 3p.  
12FA3 : EXTENSION M12 FEMALE 90° 3p. 12FD3 : EXTENSION M12 FEMALE 180° 3p.



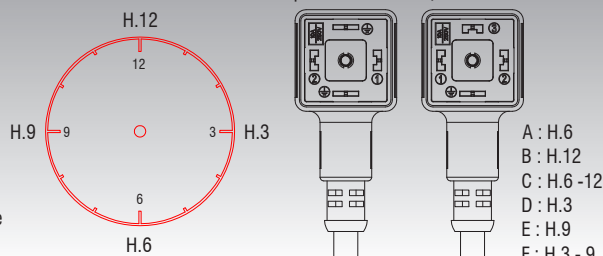
### EARTH PIN POSITION

Earth pin position for the DIN43650 valve connectors with moulded cable has to be specified because its internal core is fixed.

The internal core cannot rotate as in the field attachable connectors.

To define the earth pin position it is necessary to look at the face view of the connector with the cable exit side down.

To easily identify the earth pin position you can compare the face view of the connector to a clock face view.



### STANDARD CONNECTION:

2 P. + 2 P.E.:

1 : BROWN  
2 : BLUE  
P.E. : YELLOW-GREEN

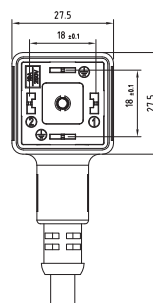
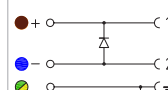
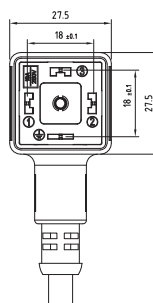
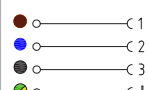
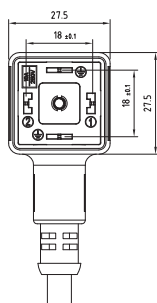
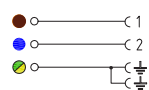
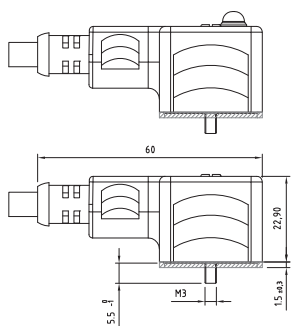
3 P. + P.E.:

1 : BROWN  
2 : BLUE  
3 : BLACK  
P.E. : YELLOW-GREEN

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	<b>CG1N02000C021</b>	<b>CG1N03000AB21</b>	<b>CG1N02D03C021</b>
Description	Square connector CG1 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	Diode(1A)
Led colour	-	-	-
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.75mm <sup>2</sup>	4G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)
Cable length	1m	1m	1m

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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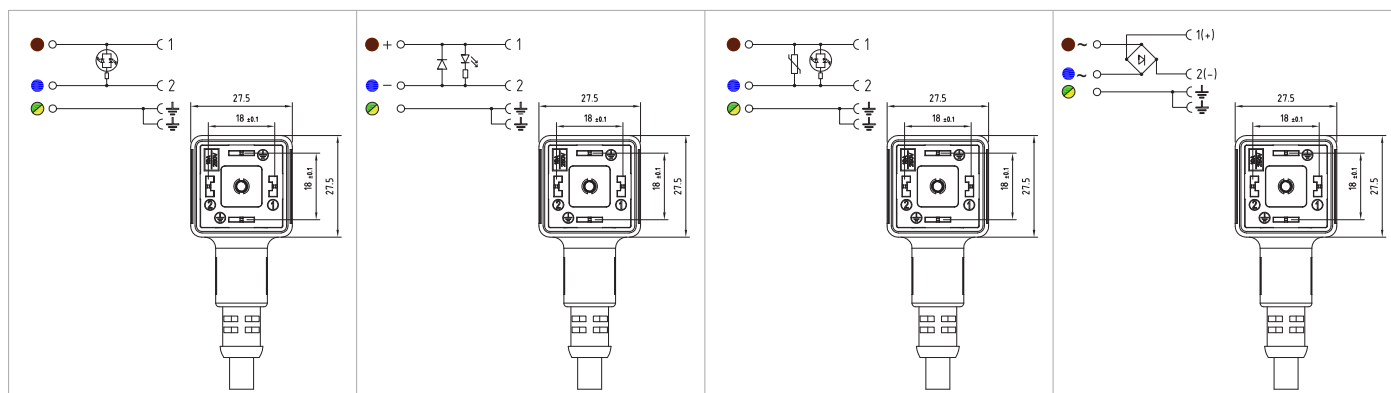
### Other accessories options

See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Product description

DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
<b>CG1N02L01C021</b> <b>CG1N02L02C021</b> <b>CG1N02L03C021</b>	<b>CG1N02DL1C021</b> <b>CG1N02DL2C021</b> <b>CG1N02DL3C021</b>	<b>CG1N02VL1C021</b> <b>CG1N02VL2C021</b> <b>CG1N02VL3C021</b>	<b>CG1N02R03C021</b>
Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.
18mm	18mm	18mm	18mm
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
H.6-12	H.6-12	H.6-12	H.6-12
Black	Black	Black	Black
22.9mm	22.9mm	22.9mm	22.9mm
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	1-230V AC
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier
Red			Red			Red			-
M3 L=25mm			M3 L=25mm			M3 L=25mm			M3 L=25mm
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated
0.5 N*m			0.5 N*m			0.5 N*m			0.5 N*m
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF
Black			Black			Black			Black
3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)
1m			1m			1m			1m

### Packaging

Variable according cable length.	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

See accessories section

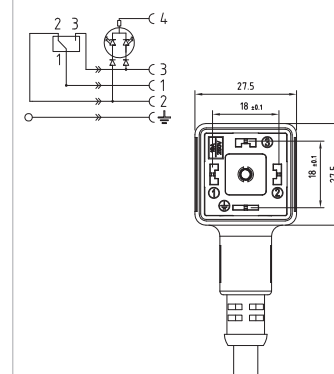
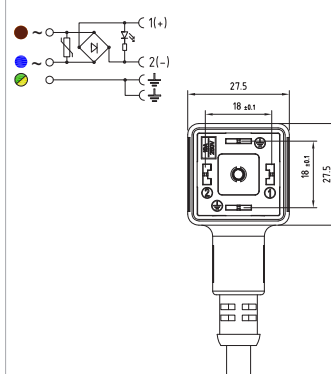
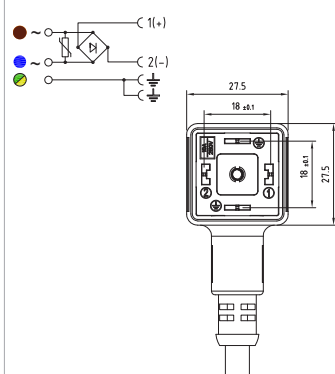
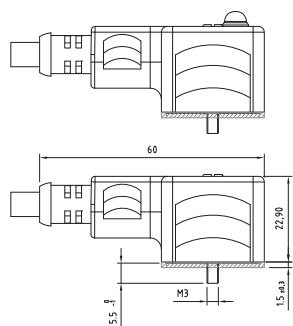
### Notes:

Connector available with different feautres:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors		
Conforms to	EN175301-803			EN175301-803			EN175301-803		
Construction type	A			A			A		
Part number	CG1N02RV1C021 CG1N02RV2C021 CG1N02RV3C021			CG1N02RL1C021 CG1N02RL2C021 CG1N02RL3C021			CG1N03Q01AB21 CG1N03Q01AB21 CG1N03Q01AB21		
Description	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	18mm			18mm			18mm		
Number of contacts	2poles + 2P.E.			2poles + 2P.E.			3poles + P.E.		
Earth positioning	H.6-12			H.6-12			H.6		
Housing colour	Black			Black			Black		
Housing height	22.9mm			22.9mm			22.9mm		
Gasket type	Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket		

### Technical data

Rated voltage	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC	24V DC	115V DC	230V DC
Circuit type	Full-Wave Bridge Rectifier + Varistor			Full-Wave Bridge Rectifier + Varistor + Led			Bicolour Led + no.2 Diodes (1A)		
Led colour	-			Red			Red (pin 2) ; Green (pin3)		
Central fixing screw	M3 L=25mm			M3 L=25mm			M3 L=25mm		
Central fixing screw material	Iron + Zinc plated			Iron + Zinc plated			Iron + Zinc plated		
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black			Black			Black		
No. Conductors / Section	3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>			4G0.75mm <sup>2</sup>		
Conductor colours	Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Black; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø7mm (±0.3)		
Cable length	1m			1m			1m		

### Packaging

Qty/Box	Variable according cable length.			Variable according cable length.			Variable according cable length.		
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### Other accessories options

See accessories section

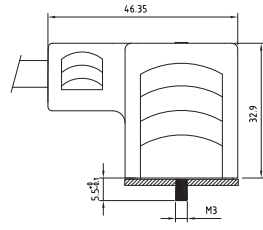
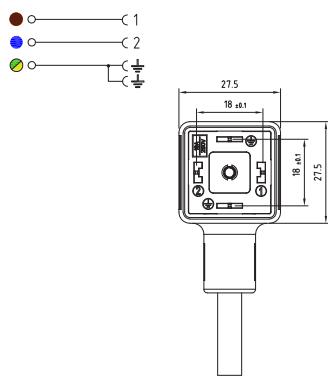
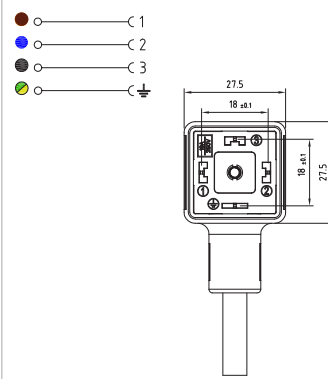
### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

Connector available with different led connection:  
Q8 circuit (Green pin 2; Red pin 3)  
Q1 circuit (Yellow pin 2; Green pin 3)

## VALVE CONNECTORS

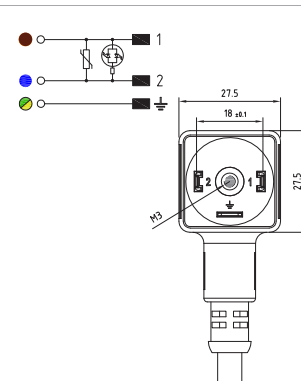
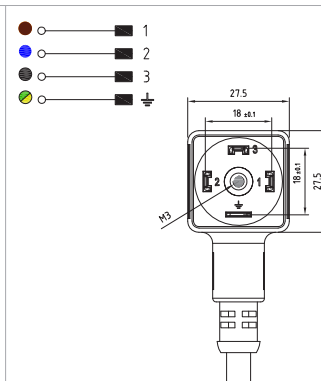
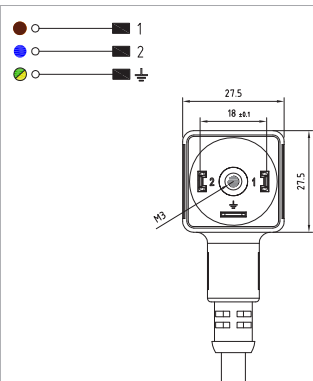
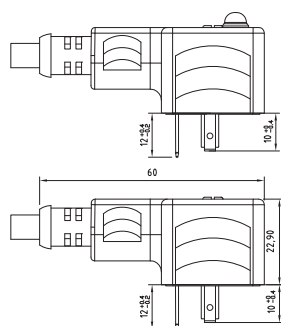


<b>Technical drawing</b> 			
<b>Product description</b>			
Connector type	DIN valve connectors	DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	
Construction type	A	A	
Part number	<b>CG5N02000C021</b>	<b>CG5N03000AB21</b>	
Description	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	
Contacts spacing	18mm	18mm	
Number of contacts	2poles + 2P.E.	3poles + 2P.E.	
Earth positioning	H.6-12	H.6	
Housing colour	Black	Black	
Housing height	32.9mm	32.9mm	
Gasket type	Integrated NBR gasket	Integrated NBR gasket	
<b>Technical data</b>			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Circuit type	-	-	
Led colour	-	-	
Central fixing screw	M3 L=35mm	M3 L=35mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	
Cable jacket colour	Black	Black	
No. Conductors / Section	3G0.75mm <sup>2</sup>	4G0.75mm <sup>2</sup>	
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	
Cable length	1m	1m	
<b>Packaging</b>			
Qty/Box	Variable according cable length.	Variable according cable length.	
<b>Other accessories options</b>			
See accessories section			
<b>Notes:</b> Connector available with different features: See the cable codification scheme page See the cables list section			

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	<b>CBG1N02000A021</b>	<b>CBG1N03000AB21</b>	<b>CBG1N02VL1C021</b>   <b>CBG1N02VL2C021</b>   <b>CBG1N02VL3C021</b>
Description	Square connector CBG1 series with male contacts. Connector without electronic.	Square connector CBG1 series with male contacts. Connector without electronic.	Square connector CBG1 series with male contacts. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	-	-	-

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	-	Bipolar Led + Varistor		
Led colour	-	-	Red		
Central fixing nut	M3x0.5 Closed	M3x0.5 Closed	M3x0.5 Closed		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black	Black		
No.Conductors / Section	3G0.75mm <sup>2</sup>	4G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)		
Cable length	1m	1m	1m		

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

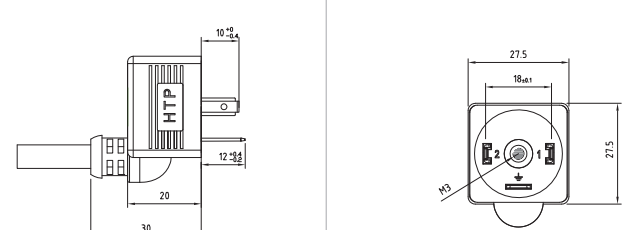
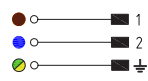
See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS

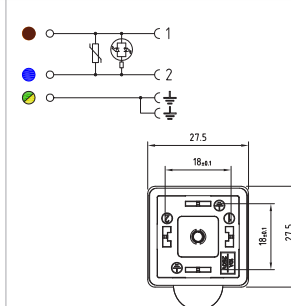
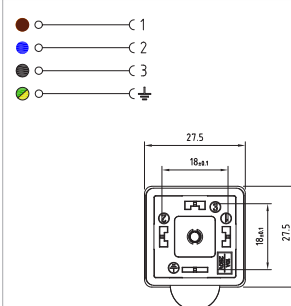
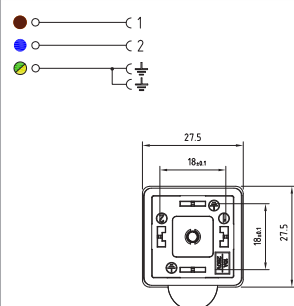
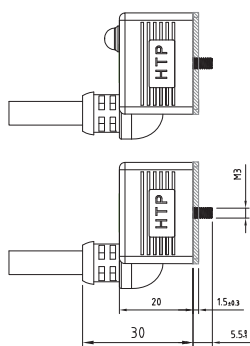


<b>Technical drawing</b>	
	
<b>Product description</b>	
Connector type	DIN valve connectors
Conforms to	EN175301-803
Construction type	A
Part number	<b>CBGBN02000A021</b>
Description	Square connector CBGB1(TOP EXIT) series with male contacts. Connector without electronic.
Contacts spacing	18mm
Number of contacts	2poles + P.E.
Earth positioning	H.6
Housing colour	Black
Housing height	20mm
Gasket type	-
<b>Technical data</b>	
Rated voltage	250V AC/ 300VDC
Circuit type	-
Led colour	-
Central fixing nut	M3x0.5
Central fixing screw material	Iron+ Zinc plated
Central screw torque	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black
No.Conductors / Section	3G0.75mm <sup>2</sup>
Conductor colours	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)
Cable length	1m
<b>Packaging</b>	
Qty/Box	Variable according cable length.
<b>Other accessories options</b>	
See accessories section	
<b>Notes:</b> Connector available with different feautres: See the cable codification scheme page See the cables list section	

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	<b>CGBN02000C021</b>	<b>CGBN03000AB21</b>	<b>CGBN02VL1C021</b> <b>CGBN02VL2C021</b> <b>CGBN02VL3C021</b>
Description	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	20mm	20mm	20mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	-	Bipolar Led + Varistor		
Led colour	-	-	Red		
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black	Black		
No. Conductors / Section	3G0.75mm <sup>2</sup>	4G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)		
Cable length	1m	1m	1m		

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

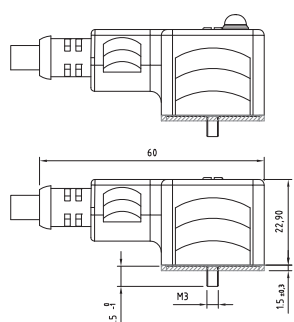
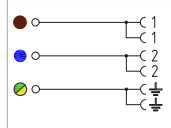
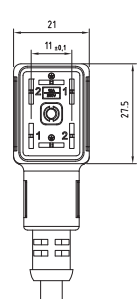
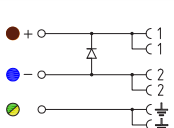
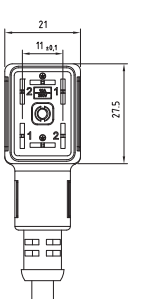
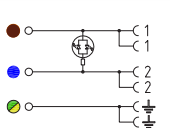
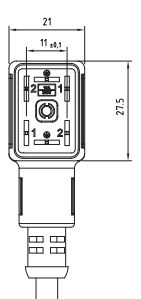
See accessories section

### Notes:

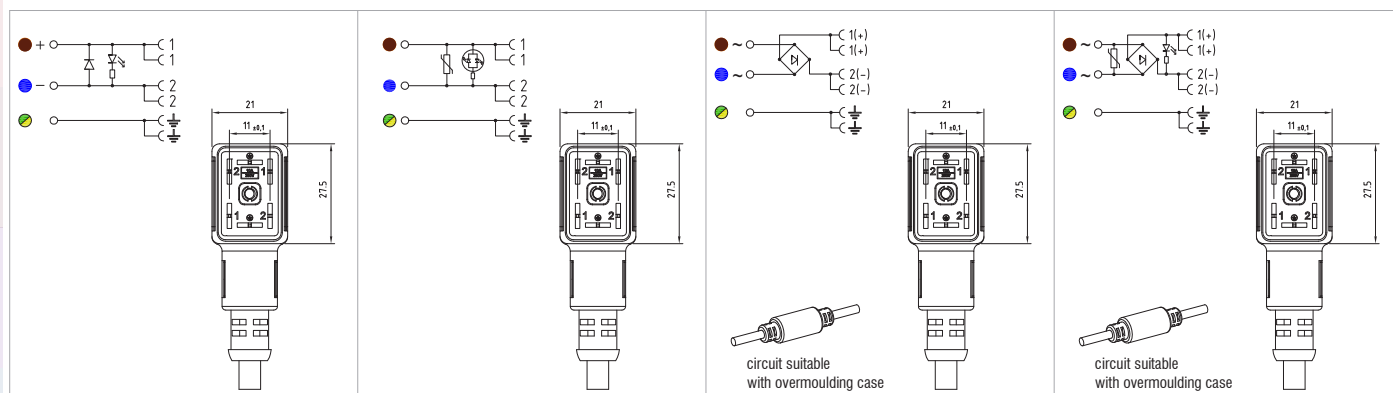
Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



<b>Technical drawing</b>			 	 	 	
<b>Product description</b>						
Connector type	DIN valve connectors		DIN valve connectors		DIN valve connectors	
Conforms to	Industrial		Industrial		Industrial	
Construction type	B		B		B	
Part number	<b>CM1N02000C021</b>		<b>CM1N02D03C021</b>		<b>CM1N02L01C021</b>   <b>CM1N02L02C021</b>   <b>CM1N02L03C021</b>	
Description	Rectangular connector CM1 series complete with gasket and fixing screw. Connector without electronic.		Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.		Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	11mm		11mm		11mm	
Number of contacts	2poles + 2P.E.		2poles + 2P.E.		2poles + 2P.E.	
Earth positioning	H.6-12		H.6-12		H.6-12	
Housing colour	Black		Black		Black	
Housing height	22.9mm		22.9mm		22.9mm	
Gasket type	Integrated NBR gasket		Integrated NBR gasket		Integrated NBR gasket	
<b>Technical data</b>						
Rated voltage	250V AC/ 300VDC		1-230V DC		24V AC/ DC   115V AC/DC   230V AC/DC	
Circuit type	-		Diode(1A)		Bipolar Led	
Led colour	-		-		Red	
Central fixing screw	M3 L=25mm		M3 L=25mm		M3 L=25mm	
Central fixing screw material	Iron+Zinc plated		Iron+Zinc plated		Iron+Zinc plated	
Central screw torque	0.5 N*m		0.5 N*m		0.5 N*m	
Cable type	PVC/PVC IEC332-1 H05VVF		PVC/PVC IEC332-1 H05VVF		PVC/PVC IEC332-1 H05VVF	
Cable jacket colour	Black		Black		Black	
No. Conductors / Section	3G0.75mm²		3G0.75mm²		3G0.75mm²	
Conductor colours	Brown; Blue; Yellow-Green		Brown; Blue; Yellow-Green		Brown; Blue; Yellow-Green	
Cable diameter	ø6.7mm (±0.3)		ø6.7mm (±0.3)		ø6.7mm (±0.3)	
Cable length	1m		1m		1m	
<b>Packaging</b>						
Qty/Box	Variable according cable length.		Variable according cable length.		Variable according cable length.	
<b>Other accessories options</b>						
See accessories section						
<b>Notes:</b>						
Connector available with different feaatures: See the cable codification scheme page See the cables list section						

## VALVE CONNECTORS



### Product description

DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
Industrial	Industrial	Industrial	Industrial
B	B	B	B
CM1N02DL1C021 CM1N02DL2C021 CM1N02DL3C021	CM1N02VL1C021 CM1N02VL2C021 CM1N02VL3C021	CM1N02R03C021	CM1N02RL1C021 CM1N02RL2C021 CM1N02RL3C021
Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.
11mm	11mm	11mm	11mm
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
H.6-12	H.6-12	H.6-12	H.6-12
Black	Black	Black	Black
22.9mm	22.9mm	22.9mm	22.9mm
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	1-230V AC	24V AC	115V AC	230V AC
Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier	Full-Wave Bridge Rectifier + Varistor + Led		
Red			Red			-	Red		
M3 L=25mm			M3 L=25mm			M3 L=25mm	M3 L=25mm		
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m			0.5 N*m			0.5 N*m	0.5 N*m		
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Black			Black			Black	Black		
3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>		
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green		
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)	ø6.7mm (±0.3)		
1m			1m			1m	1m		

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

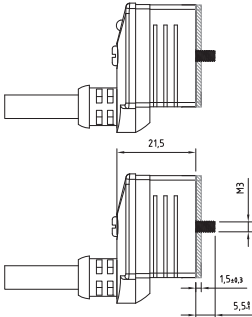
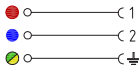
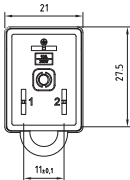
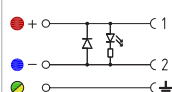
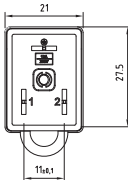
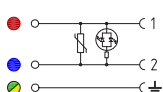
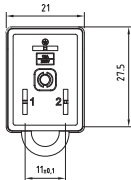
See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS

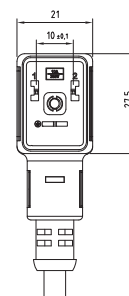
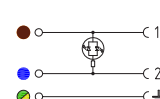
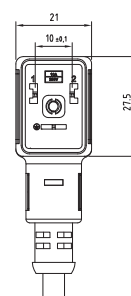
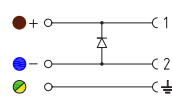
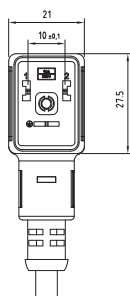
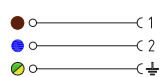
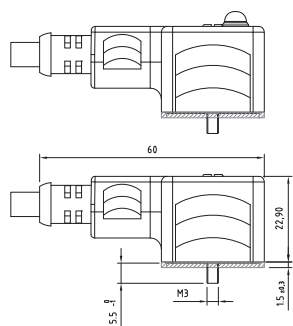


<b>Technical drawing</b>																				
																				
<b>Product description</b>																				
Connector type				DIN valve connectors				DIN valve connectors				DIN valve connectors								
Conforms to				Industrial				Industrial				Industrial								
Construction type				B				B				B								
Part number				<b>CM1BN02000B021</b>				<b>CM1BN02DL1B021</b>		<b>CM1BN02DL2B021</b>		<b>CM1BN02DL3B021</b>		<b>CM1BN02VL1B021</b>		<b>CM1BN02VL2B021</b>		<b>CM1BN02VL3B021</b>		
Description				Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.				Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.				Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.								
Contacts spacing				11mm				11mm				11mm								
Number of contacts				2poles + P.E.				2poles + P.E.				2poles + P.E.								
Earth positioning				H.12				H.12				H.12								
Housing colour				Black				Black				Black								
Housing height				21.5mm				21.5mm				21.5mm								
Gasket type				Integrated NBR gasket				Integrated NBR gasket				Integrated NBR gasket								
<b>Technical data</b>																				
Rated voltage				250V AC/ 300VDC				24V DC		115V DC		230V DC		24V AC/ DC		115V AC/DC		230V AC/DC		
Circuit type				-				Led + Diode(1A)				Bipolar Led + Varistor								
Led colour				-				Red				Red								
Central fixing screw				M3 L=26mm				M3 L=26mm				M3 L=26mm								
Central fixing screw material				Iron+Zinc plated				Iron+Zinc plated				Iron+Zinc plated								
Central screw torque				0.5 N*m				0.5 N*m				0.5 N*m								
Cable type				PVC/PVC IEC332-1 H05VVF				PVC/PVC IEC332-1 H05VVF				PVC/PVC IEC332-1 H05VVF								
Cable jacket colour				Black				Black				Black								
No. Conductors / Section				3G0.75mm²				3G0.75mm²				3G0.75mm²								
Conductor colours				Brown; Blue; Yellow-Green				Brown; Blue; Yellow-Green				Brown; Blue; Yellow-Green								
Cable diameter				ø6.7mm (±0.3)				ø6.7mm (±0.3)				ø6.7mm (±0.3)								
Cable length				1m				1m				1m								
<b>Packaging</b>																				
Qty/Box				Variable according cable length.				Variable according cable length.				Variable according cable length.								
<b>Other accessories options</b>																				
See accessories section																				
<b>Notes:</b>																				
Connector available with different feautres: See the cable codification scheme page See the cables list section																				

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	B	B	B
Part number	<b>CM2N02000A021</b>	<b>CM2N02D03A021</b>	<b>CM2N02L01A021</b>   <b>CM2N02L02A021</b>   <b>CM2N02L03A021</b>
Description	Rectangular connector CM2 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	1-230V DC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	Diode(1A)	Bipolar Led		
Led colour	-	-	Red		
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black	Black		
No.Conductors / Section	3G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>	3G0.75mm <sup>2</sup>		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)		
Cable length	1m	1m	1m		

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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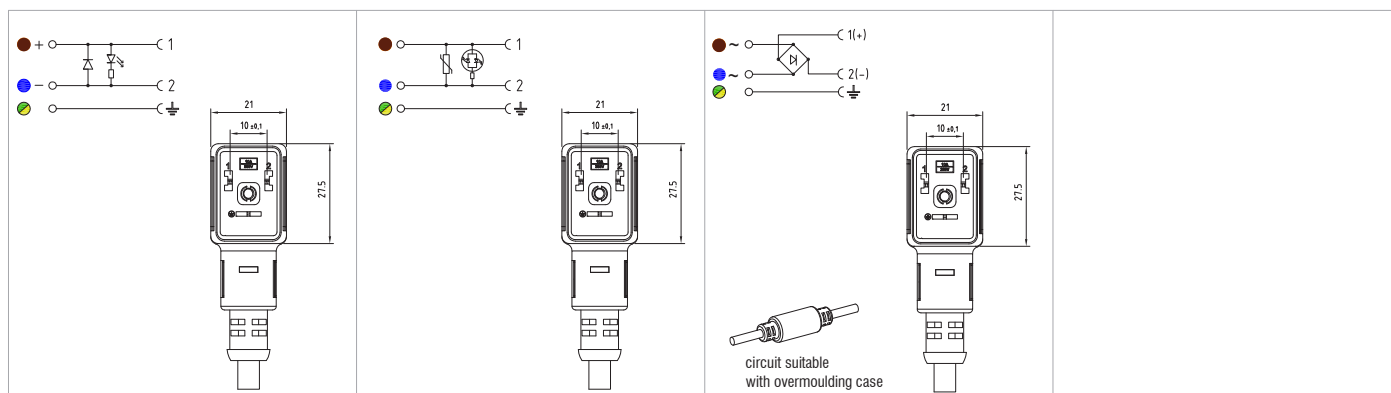
### Other accessories options

See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Product description

DIN valve connectors	DIN valve connectors	DIN valve connectors	
EN175301-803	EN175301-803	EN175301-803	
B	B	B	
CM2N02DL1A021 CM2N02DL2A021 CM2N02DL3A021	CM2N02VL1A021 CM2N02VL2A021 CM2N02VL3A021	CM2N02R03A021	
Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	
10mm	10mm	10mm	
2poles + P.E.	2poles + P.E.	2poles + P.E.	
H.6	H.6	H.6	
Black	Black	Black	
22.9mm	22.9mm	22.9mm	
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	

### Technical data

24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	1-230V AC	
Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier	
Red			Red			-	
M3 L=25mm			M3 L=25mm			M3 L=25mm	
Iron + Zinc plated			Iron + Zinc plated			Iron + Zinc plated	
0.5 N*m			0.5 N*m			0.5 N*m	
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF	
Black			Black			Black	
3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>			3G0.75mm <sup>2</sup>	
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green	
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)	
1m			1m			1m	

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	
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### Other accessories options

See accessories section

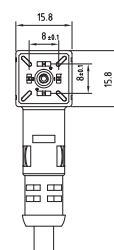
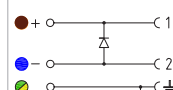
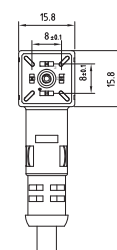
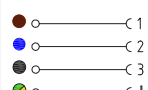
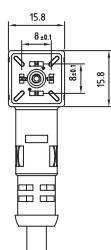
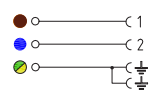
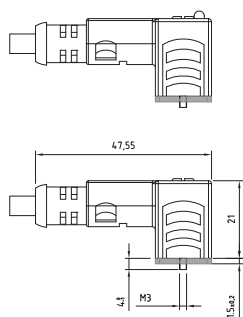
### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	<b>CP1N02000C011</b>	<b>CP1N03000AB11</b>	<b>CP1N02D03C011</b>
Description	Square micro connector CP1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	-
Led colour	-	-	-
Central fixing screw	M2.5 L=22.5mm	M2.5 L=22.5mm	M2.5 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.4 N*m	0.4 N*m	0.4 N*m
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF
Cable jacket colour	Black	Black	Black
No. Conductors / Section	3G0.5mm <sup>2</sup>	4G0.5mm <sup>2</sup>	3G0.5mm <sup>2</sup>
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)
Cable length	1m	1m	1m

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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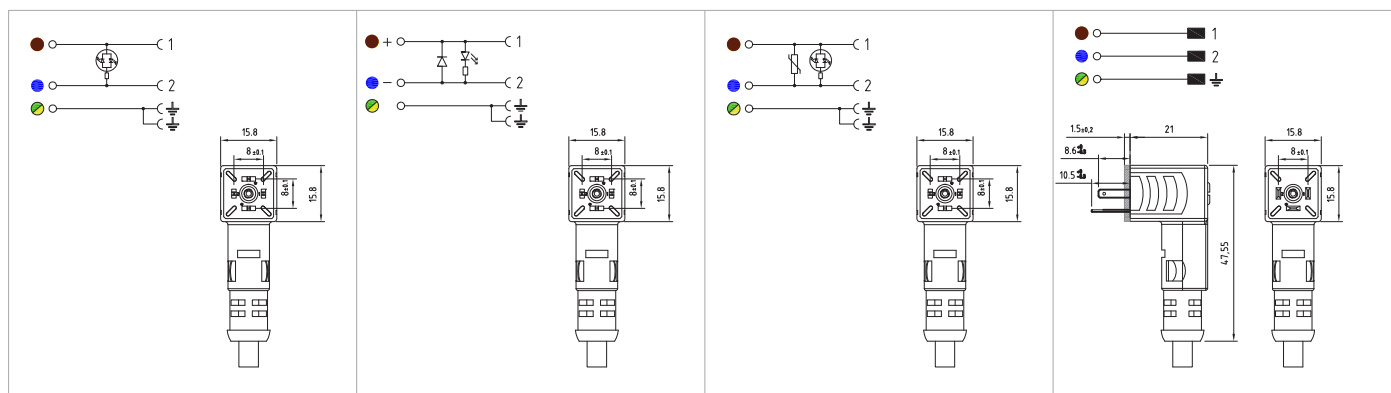
### Other accessories options

See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Product description

DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
C	C	C	C
CP1N02L01C021 CP1N02L02C021 CP1N02L03C021	CP1N02DL1C021 CP1N02DL2C021 CP1N02DL3C021	CP1N02VL1C021 CP1N02VL2C021 CP1N02VL3C021	CBP1N02000A011
Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector CBP1 series with male contacts with gasket and fixing screw. Connector with electronic.
8mm	8mm	8mm	8mm
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	2poles + P.E.
H.6-12	H.6-12	H.6-12	H.6
Black	Black	Black	Black
21mm	21mm	21mm	21mm
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	250V AC/ 300VDC
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			-
Red			Red			Red			-
M2.5 L=22.5mm			M2.5 L=22.5mm			M2.5 L=22.5mm			Self tapping screw 2.9 L=25mm (DIN7981)
Iron + Zinc plated			Iron + Zinc plated			Iron + Zinc plated			Iron + Zinc plated
0.4 N/m			0.4 N/m			0.4 N/m			0.5 N/m
PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF
Black			Black			Black			Black
3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green
ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)
1m			1m			1m			1m

### Packaging

Variable according cable length.	Variable according cable length.	Variable according cable length.	
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### Other accessories options

See accessories section

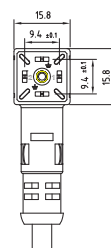
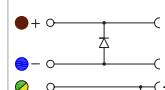
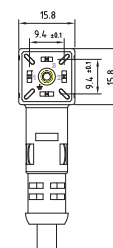
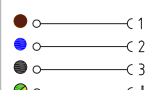
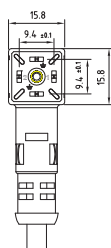
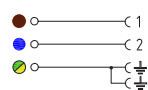
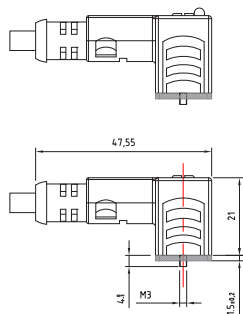
### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	<b>CP2N02000C011</b>	<b>CP2N03000AB11</b>	<b>CP2N02D03C011</b>
Description	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	-
Led colour	-	-	-
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron + Zinc plated	Iron + Zinc plated	Iron + Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF
Cable jacket colour	Black	Black	Black
No. Conductors / Section	3G0.5mm <sup>2</sup>	4G0.5mm <sup>2</sup>	3G0.5mm <sup>2</sup>
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)
Cable length	1m	1m	1m

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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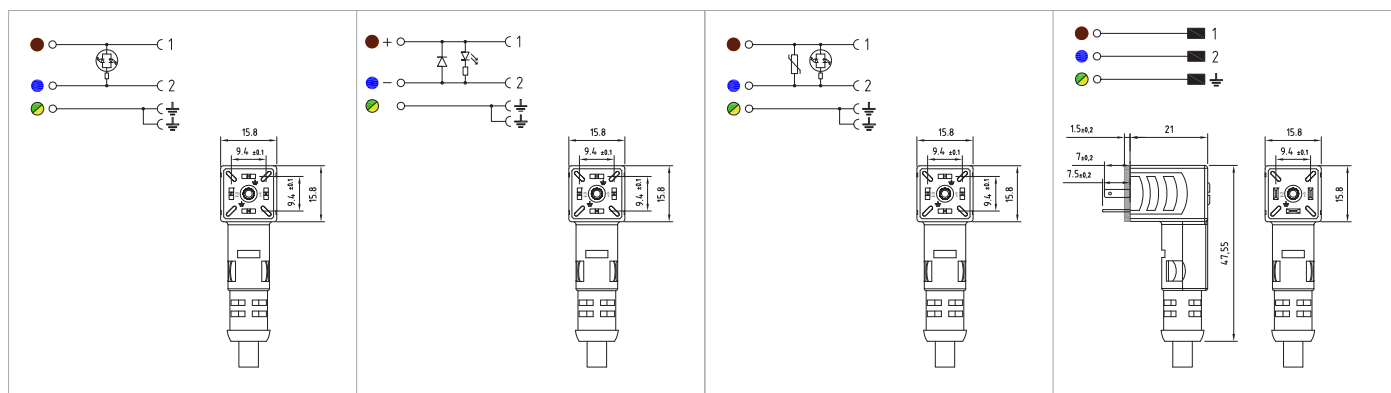
### Other accessories options

See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Product description

DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
Industrial	Industrial	Industrial	EN175301-803
C	C	C	C
CP2N02L01C021 CP2N02L02C021 CP2N02L03C021	CP1N02DL1C021 CP1N02DL2C021 CP1N02DL3C021	CP2N02VL1C021 CP2N02VL2C021 CP2N02VL3C021	CBP2N02000A011
Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CBP2 series with male contacts with gasket and fixing screw. Connector with electronic.
9.4mm	9.4mm	9.4mm	9.4mm
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	2poles + P.E.
H.6-12	H.6-12	H.6-12	H.6
Black	Black	Black	Black
21mm	21mm	21mm	21mm
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	250V AC/ 300VDC
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			-
Red			Red			Red			-
M3 L=22.5mm			M3 L=22.5mm			M3 L=22.5mm			Self tapping screw 2.9 L=25mm (DIN7981)
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated
0.5 N*m			0.5 N*m			0.5 N*m			0.5 N/m
PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF
Black			Black			Black			Black
3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>			3G0.5mm <sup>2</sup>
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green
ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)
1m			1m			1m			1m

### Packaging

Variable according cable length.	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

See accessories section

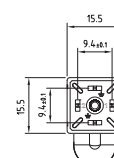
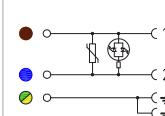
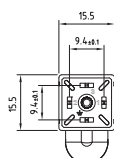
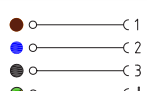
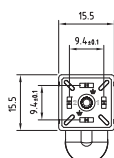
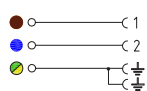
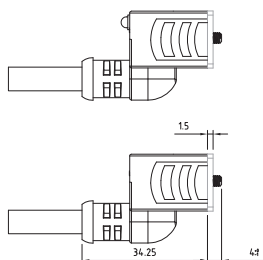
### Notes:

Connector available with different feautres:  
See the cable codification scheme page  
See the cables list section

## VALVE CONNECTORS



### Technical drawing



### Product description

Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	<b>CP2CN02000C011</b>	<b>CP2CN03000AB11</b>	<b>CP2CN02VL1C021</b>   <b>CP2CN02VL2C021</b>   <b>CP2CN02VL3C021</b>
Description	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket

### Technical data

Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	-	Bipolar Led + Varistor		
Led colour	-	-	Red		
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm		
Central fixing screw material	Iron + Zinc plated	Iron + Zinc plated	Iron + Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF		
Cable jacket colour	Black	Black	Black		
No. Conductors / Section	3G0.5mm <sup>2</sup>	4G0.5mm <sup>2</sup>	3G0.5mm <sup>2</sup>		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)		
	1m	1m	1m		

### Packaging

Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
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### Other accessories options

See accessories section

### Notes:

Connector available with different features:  
See the cable codification scheme page  
See the cables list section