





# Rectangular Connectors G/GO Series

The Space-Saver: Great in Performance – Small in Size

Where other connectors may find conditions too tight, the G/GO Series is right at home – and that's why the rectangular connector with its compact dimensions plays a major role in the world of miniaturization.



### The Benefits

**Extremely tough** – especially designed for applications with persistent mechanical stress, e.g. in underground mining surroundings

Flexible to use – viable for a wide range of industries due to various pin assignments

Flexible to fit – square (G) and rectangular designs (G0) to match your individual application

#### Markets

- Machine building
- Automation
- Material handling
- Underground mining





# **Technical Information**

G/G0 Series		G Series 2-pole	G Series 3-pole	G Series 4-pole	GO Series 6-pole	GO Series 7-pole
	General Data					
	No. of Pins	2	2 + PE	Molded: 3 + PE, 4 Field attachable: 4 Receptacle: 4	5 + PE, 6	6 + PE, 7
	Cable-Gland (field attachable)	-	PG 7	PG 7	PG 7	PG 11
	Cable-Range (field attachable)	-	ø 4.5 mm to 7.5 mm	ø 4.5 mm to 6.0 mm	ø 4.0 mm to 7.5 mm	ø 4.0 mm to 10.0 mm
	Terminal Type (field attachable)	-	Solder	Solder	Solder	Screw
	Conductor Size (field attachable)	-	0.15 mm <sup>2</sup> to 0.5 mm <sup>2</sup>	0.15 mm² to 0.5 mm²	0.15 mm² to 0.5 mm²	0.25 mm <sup>2</sup> to 1.0 mm <sup>2</sup>
	Cable Material (molded)	PVC	PVC	PVC	-	-
	Conductor Size (molded)	0.75 mm²	1.0 mm²	0.75 mm², 1.0 mm²	-	-
	Housing Color	Black, Grey	Black, Grey	Black, Grey	Black	Black
	Electrical Data					
	Operating Voltage	50 V AC/DC	230 V AC/DC	3 + PE: 230 V AC/DC 4: 50 V AC/DC	5 + PE: 230 V AC/DC 6: 50 V AC/DC	6 + PE: 230 V AC/DC 7: 50 V AC/DC
	Current	10 A AC/DC	Molded: 10 A AC/DC Field attachable: 6 A AC/DC	Molded: 10 A AC/DC Field attachable: 6 A AC/DC Receptacle: 10 A AC/DC	6 A AC/DC	10 A AC 6 A DC
小姓	Environmental Data					
以於	Ambient Temperature*	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
/K <sup>p</sup>	Protection Degree	IP65	IP65	IP65	IP65	IP65
	Approvals	VDE	VDE	VDE	VDE	VDE

<sup>\*</sup> Notice derating and cable temperature

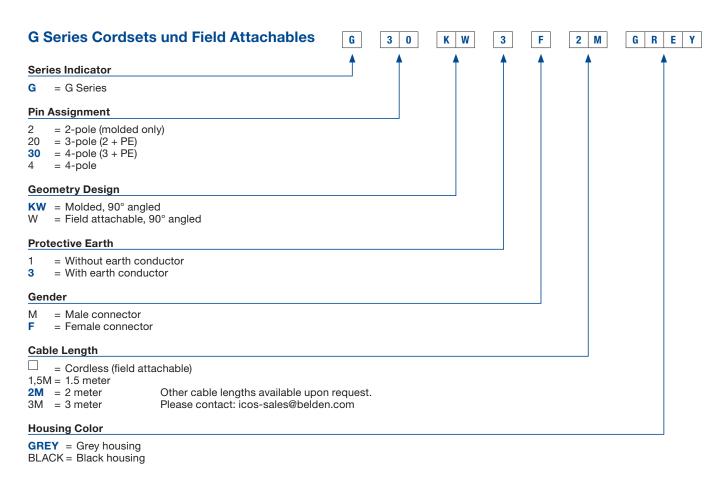


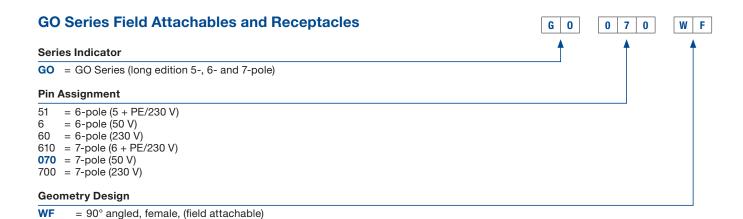






## **Product Configurator**





UM

= Male, PCB mount, (receptacle)

FAV M = Male, octagonal flange, (receptacle) FA M = Male, rectangular flange, (receptacle)





## Order Overview

G Series	2-pole		3-pole (2 + PE)		
	Male	Female	Male	Female	
1. Choose Coding   2. Choose Design	S C				
Field Attachables					
G Series, angled, solder type	-	_	-	G 20 W 3 F Grey	
Receptacles					
G Series, solder type	-		-	_	
Single-Ended Cordsets					
G Series, angled	-	G 2 KW 1 F *M Grey	G 20 KW 3 M *M Grey	G 20 KW 3 F *M Grey	
G Series	4-pole (3 + PE)		4-pole		
	Male	Female	Male	Female	
1. Choose Coding  2. Choose Design					
Field Attachables	·				
G Series, angled, solder type	-	G 30 W 3 F Grey	-	G 4 W 1 F Grey	
Receptacles					
G Series, solder type	G 30 A 3 M Grey	G 30 E 3 F Grey	G 4 A 1 M Grey	_	
Single-Ended Cordsets					
G Series, angled	G 30 KW 3 M *M Grey	G 30 KW 3 F *M Grey	-	G 4 KW 1 F *M Grey	
GO Series	6-pole (5 + PE)		6-pole		
	Male	Female	Male	Female	
1. Choose Coding   2. Choose Design					
Field Attachables					
GO Series, angled, solder type	-	GO 51 WF Black	-	G0 6 WF Black (50 V) G0 6 WF Black (230 V)	
GO Series, angled, screw type	-	-	-	-	
Receptacles					
GO Series, solder type	GO 51 UM	-	GO 6 UM (50 V) GO 60 UM (230 V)	-	
GO Series, solder type with flange	GO 51 FAV M	-	GO 6 FAV M (50 V) GO 60 FAV M (230 V)	-	
GO Series	7-pole (6 + PE)		7-pole		
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uu selles	Male	Female	Male	Female	
1. Choose Coding   2. Choose Design	Male	Female	Male	Female	
1. Choose Coding	Male	Female	Male	Female	
1. Choose Coding   2. Choose Design	Male	Female	Male	Female	
1. Choose Coding   2. Choose Design  Field Attachables GO Series, angled, solder type	¤	Female  - GO 610 WF Black		- G0 070 WF Black (50 V)	
1. Choose Coding  2. Choose Design  Field Attachables GO Series, angled, solder type GO Series, angled, screw type	¤			- G0 070 WF Black (50 V)	
1. Choose Coding   2. Choose Design  Field Attachables	¤			ig in the second	

Blue highlighted product features are available in different variants. Please see page 16 for more information.