



## 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 (GO) to match your individual application

### Markets

- Machine building
- Automation
- Material handling
- Underground mining

## Technical Information

G/GO Series	G Series 2-pole	G Series 3-pole	G Series 4-pole	GO Series 6-pole	GO Series 7-pole
	<b>General Data</b>				
<b>No. of Pins</b>	2	2 + PE	Molded: 3 + PE, 4 Field attachable: 4 Receptacle: 4	5 + PE, 6	6 + PE, 7
<b>Cable-Gland (field attachable)</b>	–	PG 7	PG 7	PG 7	PG 11
<b>Cable-Range (field attachable)</b>	–	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
<b>Terminal Type (field attachable)</b>	–	Solder	Solder	Solder	Screw
<b>Conductor Size (field attachable)</b>	–	0.15 mm <sup>2</sup> to 0.5 mm <sup>2</sup>	0.15 mm <sup>2</sup> to 0.5 mm <sup>2</sup>	0.15 mm <sup>2</sup> to 0.5 mm <sup>2</sup>	0.25 mm <sup>2</sup> to 1.0 mm <sup>2</sup>
<b>Cable Material (molded)</b>	PVC	PVC	PVC	–	–
<b>Conductor Size (molded)</b>	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	0.75 mm <sup>2</sup> , 1.0 mm <sup>2</sup>	–	–
<b>Housing Color</b>	Black, Grey	Black, Grey	Black, Grey	Black	Black
	<b>Electrical Data</b>				
<b>Operating Voltage</b>	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
<b>Current</b>	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
	<b>Environmental Data</b>				
<b>Ambient Temperature*</b>	-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
<b>Protection Degree</b>	IP65	IP65	IP65	IP65	IP65
<b>Approvals</b>	VDE	VDE	VDE	VDE	VDE

\* Notice derating and cable temperature





## Product Configurator

### G Series Cordsets and Field Attachables

**G**   **3 0**   **K W**   **3**   **F**   **2 M**   **G R E Y**

#### Series Indicator

**G** = G Series

#### Pin Assignment

- 2 = 2-pole (molded only)
- 20 = 3-pole (2 + PE)
- 30** = 4-pole (3 + PE)
- 4 = 4-pole

#### Geometry Design

- KW** = Molded, 90° angled
- W** = Field attachable, 90° angled

#### Protective Earth

- 1 = Without earth conductor
- 3** = With earth conductor

#### Gender

- M** = Male connector
- F** = Female connector

#### Cable Length

- = Cordless (field attachable)
  - 1,5M = 1.5 meter
  - 2M** = 2 meter
  - 3M = 3 meter
- Other cable lengths available upon request.  
Please contact: [icos-sales@belden.com](mailto:icos-sales@belden.com)

#### Housing Color

- GREY** = Grey housing
- BLACK = Black housing

### GO Series Field Attachables and Receptacles

**G O**   **0 7 0**   **W F**

#### Series Indicator

**GO** = GO Series (long edition 5-, 6- and 7-pole)

#### Pin Assignment

- 51 = 6-pole (5 + PE/230 V)
- 6 = 6-pole (50 V)
- 60 = 6-pole (230 V)
- 610 = 7-pole (6 + PE/230 V)
- 070** = 7-pole (50 V)
- 700 = 7-pole (230 V)

#### Geometry Design

- WF** = 90° angled, female, (field attachable)
- 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
<p>1. Choose Coding →</p> <p>↓ 2. Choose Design</p>				
<b>Field Attachables</b>				
G Series, angled, solder type	-	-	-	G 20 W 3 F Grey
<b>Receptacles</b>				
G Series, solder type	-	-	-	-
<b>Single-Ended Cordsets</b>				
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
<p>1. Choose Coding →</p> <p>↓ 2. Choose Design</p>				
<b>Field Attachables</b>				
G Series, angled, solder type	-	G 30 W 3 F Grey	-	G 4 W 1 F Grey
<b>Receptacles</b>				
G Series, solder type	G 30 A 3 M Grey	G 30 E 3 F Grey	G 4 A 1 M Grey	-
<b>Single-Ended Cordsets</b>				
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
<p>1. Choose Coding →</p> <p>↓ 2. Choose Design</p>				
<b>Field Attachables</b>				
GO Series, angled, solder type	-	GO 51 WF Black	-	GO 6 WF Black (50 V) GO 6 WF Black (230 V)
GO Series, angled, screw type	-	-	-	-
<b>Receptacles</b>				
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	
	Male	Female	Male	Female
<p>1. Choose Coding →</p> <p>↓ 2. Choose Design</p>				
<b>Field Attachables</b>				
GO Series, angled, solder type	-	-	-	-
GO Series, angled, screw type	-	GO 610 WF Black	-	GO 070 WF Black (50 V) GO 700 WF Black (230 V)
<b>Receptacles</b>				
GO Series, solder type	-	-	-	-
GO Series, solder type with flange	GO 610 FA M	-	GO 070 FA M (50 V) GO 700 FA M (230V)	-

Blue highlighted product features are available in different variants.