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
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 mm² to 0.5 mm²	0.15 mm² to 0.5 mm²	0.15 mm² to 0.5 mm²	0.25 mm² to 1.0 mm²
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
Environmental Data					
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
Protection Degree	IP65	IP65	IP65	IP65	IP65
Approvals	VDE	VDE	VDE	VDE	VDE

* Notice derating and cable temperature

Product Configurator

G Series Cordsets und Field Attachables

| G | 30 | KW | 3 | F | 2M | 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   Other cable lengths available upon request.
3M = 3 meter   Please contact: icos-sales@belden.com

Housing Color

GREY = Grey housing
BLACK = Black housing

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GO Series Field Attachables and Receptacles

| GO | 070 | 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

G Series	2-pole		3-pole (2 + PE)	
1. Choose Coding → **2. Choose Design** ↓	**Male**	**Female**	**Male**	**Female**
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

G Series	4-pole (3 + PE)		4-pole	
1. Choose Coding → **2. Choose Design** ↓	**Male**	**Female**	**Male**	**Female**
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

GO Series	6-pole (5 + PE)		6-pole	
1. Choose Coding → **2. Choose Design** ↓	**Male**	**Female**	**Male**	**Female**
Field Attachables				
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	–	–	–	–
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

GO Series	7-pole (6 + PE)		7-pole	
1. Choose Coding → **2. Choose Design** ↓	**Male**	**Female**	**Male**	**Female**
Field Attachables				
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)
Receptacles				
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. Please see page 16 for more information.