

8BXC012.0000-00

1 General information

Metal flange 8BXC012.0000-00 is used to feed a B&R cable through a control cabinet panel. Both front panel installation and rear panel installation are possible.

In the installed state, the cable grommet achieves IP67 protection.¹⁾

Metal flange 8BXC012.0000-00 can be used for the following B&R cable assemblies:

Order number	Description
8BCHxxx.1111A-0	ACOPOSmulti hybrid motor cable, length x m, 4x 1.5 mm ² + 2x 0.75 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, integrated shield plate, can be used in cable drag chains
8BCHxxx.1312A-0	ACOPOSmulti hybrid motor cable, length x m, 4x 4 mm ² + 2x 1 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, integrated shield plate, can be used in cable drag chains
8BCMxxx.1011A-0	ACOPOSmulti motor cable, length x m, 4x 0.75 mm ² + 2x 2x 0.34 mm ² , 8-pin female speedtec motor connector size 1, integrated shield plate, can be used in cable drag chains
8BCMxxx.1111A-0	ACOPOSmulti motor cable, length x m, 4x 1.5 mm ² + 2x 2x 0.75 mm ² , 8-pin female speedtec motor connector size 1, integrated shield plate, can be used in cable drag chains
8BCMxxx.1312A-0	ACOPOSmulti motor cable, length x m, 4x 4 mm ² + 2x 0.75 mm ² + 2x 1 mm ² , 8-pin female speedtec motor connector size 1, integrated shield plate, can be used in cable drag chains
8BCMxxx.3111A-0	ACOPOSmulti motor cable, length x m, 4x 1.5 mm ² + 2x 2x 0.75 mm ² , 8-pin female speedtec motor connector size 1, integrated shield plate
8BCMxxx.3312A-0	ACOPOSmulti motor cable, length x m, 4x 4 mm ² + 2x 2x 1 mm ² , 8-pin female speedtec motor connector size 1, integrated shield plate
8CHxxx.12-1	ACOPOS hybrid motor cable, length x m, 4x 1.5 mm ² + 2x 0.75 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, can be used in cable drag chains
8CHxxx.1A-1	ACOPOSmicro hybrid motor cable, length x m, 4x 1.5 mm ² + 2x 0.75 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, can be used in cable drag chains
8CHxxx.12-3	ACOPOS hybrid motor cable, length x m, 4x 4 mm ² + 2x 1 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, can be used in cable drag chains
8ECHxxx.1111A-0	ACOPOS P3 hybrid motor cable, length x m, 4x 1.5 mm ² + 2x 0.75 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, can be used in cable drag chains
8ECHxxx.1312A-0	ACOPOS P3 hybrid motor cable, length x m, 4x 4 mm ² + 2x 1 mm ² + 2x 0.30 mm ² + 2x 2x 0.15 mm ² , 13-pin female speedtec hybrid motor connector, can be used in cable drag chains
8ECMxxx.1111C-0	ACOPOS P3 motor cable, length x m, 4x 1.5 mm ² + 2x 2x 0.75 mm ² , 8-pin female speedtec motor connector, can be used in cable drag chains
8ECMxxx.1312C-0	ACOPOS P3 motor cable, length x m, 4x 4 mm ² + 2x 0.75 mm ² + 2x 1 mm ² , 8-pin female speedtec motor connector, can be used in cable drag chains
8CMxxx.12-1	Motor cable, length x m, 4x 1.5 mm ² + 2x 2x 0.75 mm ² , 8-pin female Intercontec motor connector size 1, can be used in cable drag chains
8CMxxx.12-0	Motor cable, length x m, 4x 0.75 mm ² + 2x 2x 0.34 mm ² , 8-pin female Intercontec motor connector size 1, can be used in cable drag chains
8CMxxx.18-1	Motor cable, length x m, 4 x 1.5 mm ² + 2x 2x 0.75 mm ² , 8-pin female Intercontec motor connector, medium wire stripping length, can be used in cable drag chains, UL/CSA listed
8CMxxx.12-3	Motor cable, length x m, 4x 4 mm ² + 2x 0.75 mm ² + 2x 1 mm ² , 8-pin female Intercontec motor connector size 1, can be used in cable drag chains

2 Order data

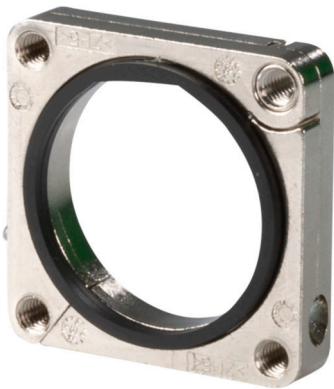
Order number	Short description	Figure
	Metal flanges	
8BXC012.0000-00	Metal flange for feeding a size 1 speedtec connector (type 723/923) through a control cabinet panel, front or rear panel installation possible	

Table 1: 8BXC012.0000-00 - Order data

¹⁾ Observe the instructions in the installation instructions!

3 Technical data

Model number	8BXC012.0000-00
Mechanical properties	
Housing	
Material	Nickel-plated zinc casting
Dimensions	
Width	35 mm
Height	35 mm
Depth	6.5 mm
Weight	22 g
Gasket	FKM

Table 2: 8BXC012.0000-00 - Technical data

4 Dimension diagram and installation dimensions

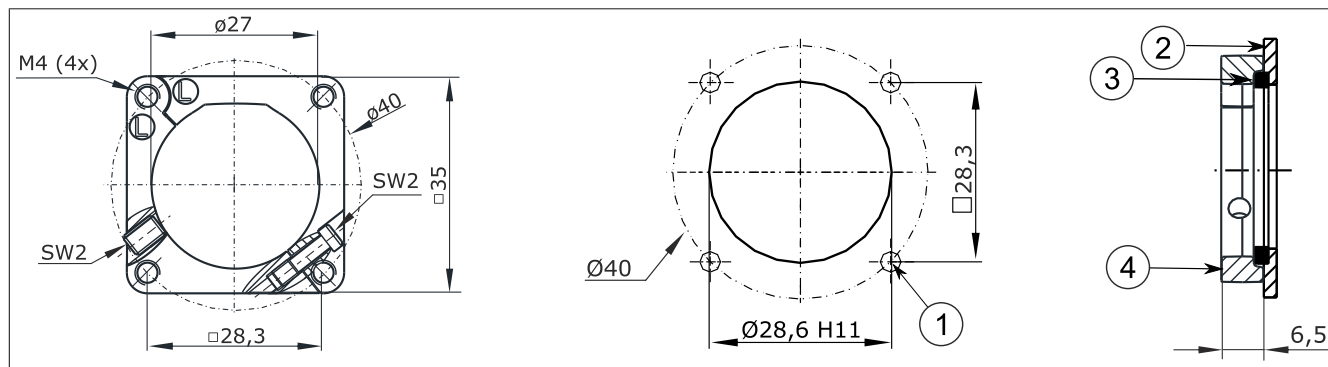


Figure 1: 8BXC012.0000-00 - Dimension diagram

- 1 Front panel installation: M3
Rear panel installation: \varnothing 4.2
- 2 Housing, cabinet
- 3 Gasket
- 4 Metal flange 8BXC012.0000-00

5 Installation

Requirements

Installation window per [Dimension diagram and installation dimensions](#) (take the desired mounting type into account). For the B&R cable assemblies to be used for this purpose, see [General information](#).

Required tools

Hex key size 2

Procedure

Rear panel installation

- Slide the sealing ring over the connector.



- Open the metal flange and attach it to the connector as shown. The mounting type must be taken into account (the illustration shows rear panel installation). The sealing ring must always be located between the metal flange and control cabinet panel.

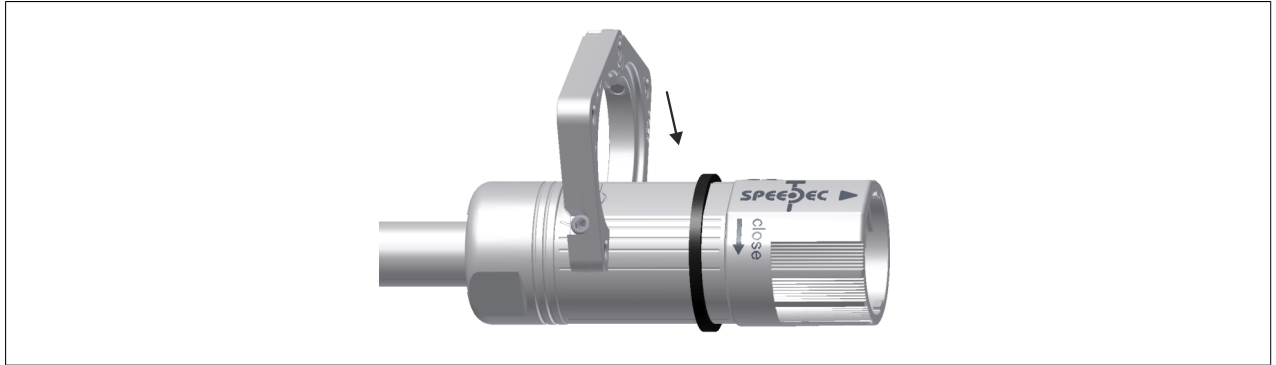


Figure 2: Attaching the metal flange to the connector (rear panel installation)

3. Close the metal flange.

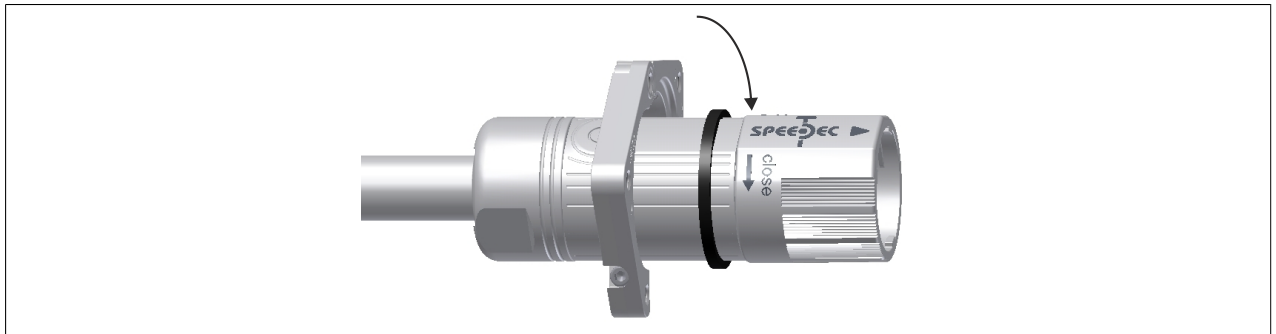


Figure 3: Attaching the metal flange to the connector (rear panel installation)

4. Slide the metal flange over the sealing ring.

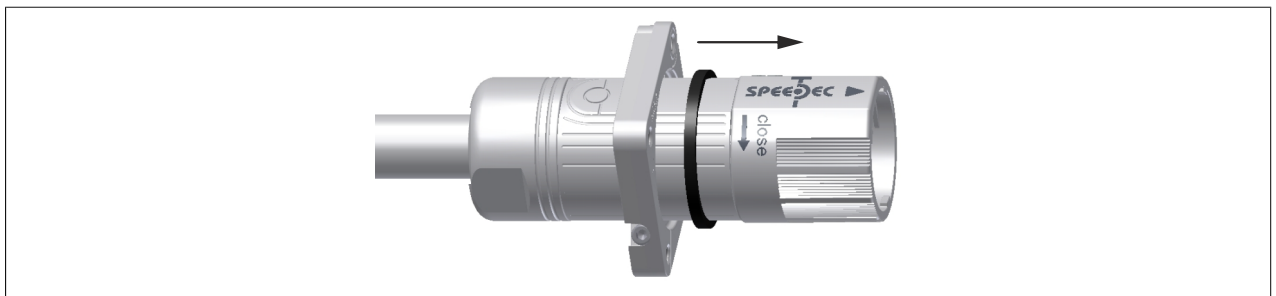


Figure 4: Attaching the metal flange to the connector (rear panel installation)

5. Position the metal flange on the connector (the position of the metal flange determines the length of the connector outside or inside the control cabinet).

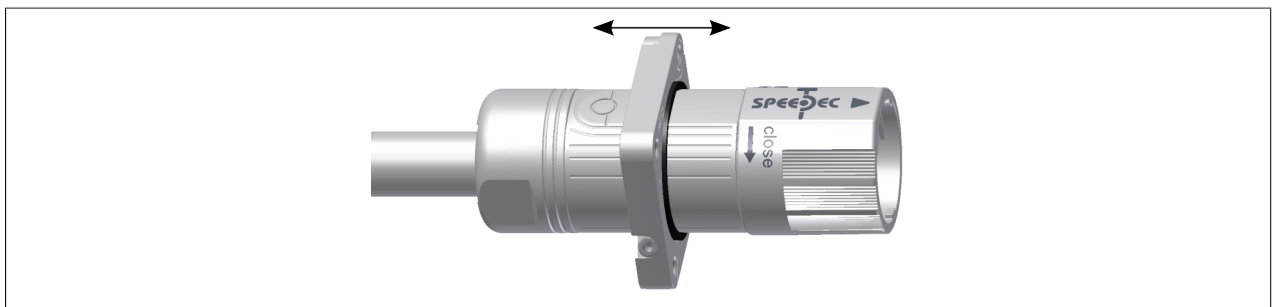


Figure 5: Attaching the metal flange to the connector (rear panel installation)

6. Secure the metal flange to the connector with a hex key.

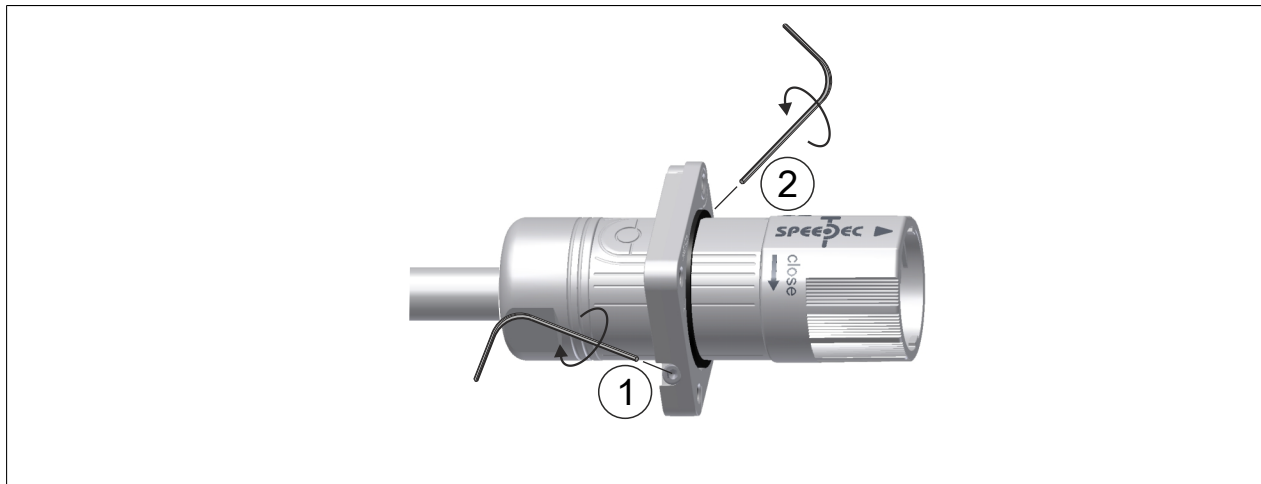
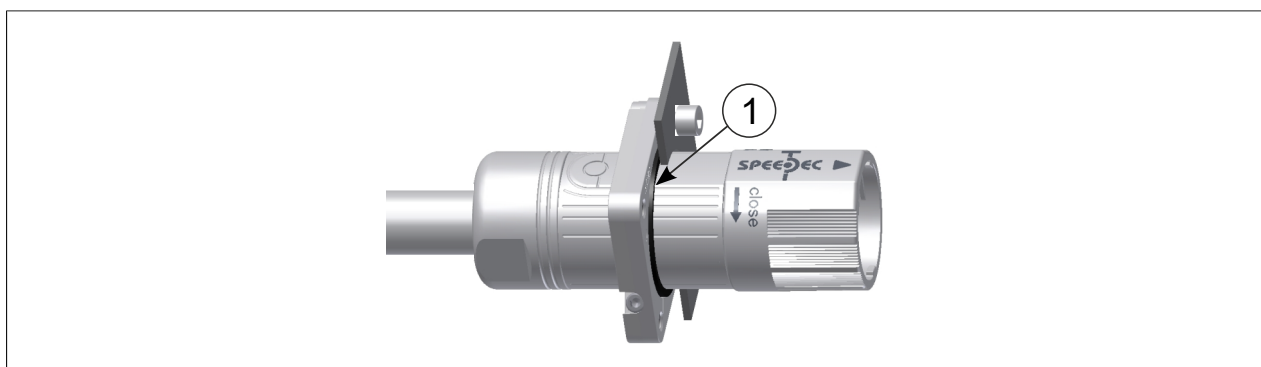


Figure 6: Attaching the metal flange to the connector (rear panel installation)

- 1 Flange screw (max. 1.2 Nm tightening torque)
- 2 Stud bolt (max. 0.5 Nm tightening torque)

7. Installing the connector in the control cabinet panel:

- a) Guide the connector from the inside of the control cabinet through the installation window of the control cabinet panel to the outside until the metal flange is in contact with the control cabinet panel.
- b) Screw the control cabinet panel to the metal flange using 4x M3 screws (minimum length: 6.5 mm + Thickness of the control cabinet panel) as shown in the illustration.



- 1 Sealing ring

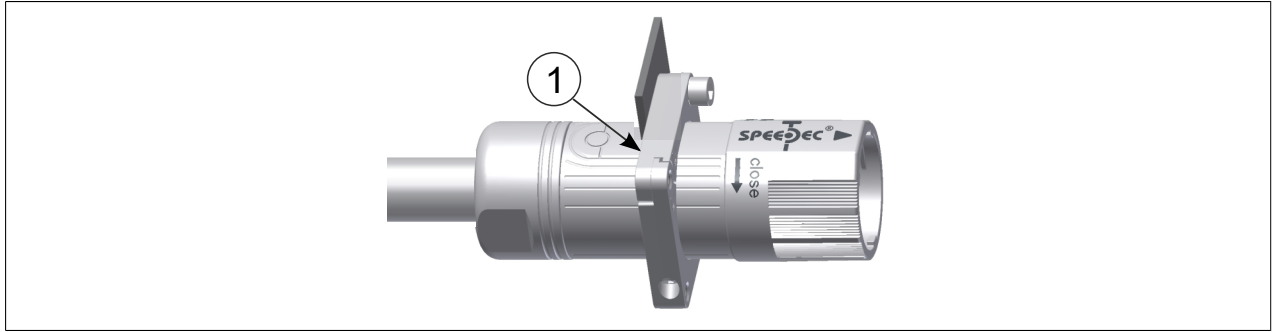
Procedure

Front panel installation

- 1. Step 1 is the same as for rear panel installation.



- 2. For steps 2-6, see [Rear panel installation](#) (note that the sealing ring must be on the other side of the metal flange for front panel installation).
- 3. Installing the connector in the control cabinet panel:



1 Sealing ring

- a) Guide the connector from the outside of the control cabinet through the installation window of the control cabinet panel to the inside until the metal flange is in contact with the control cabinet panel.
- b) Screw the metal flange to the control cabinet panel using 4x M3 screws (minimum length: 6.5 mm + Thickness of the control cabinet panel) as shown in the illustration.

Information:

Due to varying characteristics of non-B&R components, deviations from these instructions may be necessary. Trained qualified personnel must therefore check before installation whether a different installation must be carried out.