

### product type designation

### product description



### PB FC M12 Cable Connector PRO

M12 connector with socket insert, 5-pole, B-coded

PROFIBUS FC M12 Cable connector PRO, M12 plug-in connector with rugged metal enclosure and FC connection system, with axial cable outlet, for use with ET 200 PRO, female contact insert (B-coded) 1 pack=5 units.

### Technical Product Detail Page

<https://l.siemens.com/1P6GK1905-0EB10>

### suitability for use

For connecting electrical PB FC bus cables to ET200 PRO, suitable for fast assembly with the FastConnect system

### transfer rate

#### transfer rate / with PROFIBUS

9.6 kbit/s ... 12 Mbit/s

### interfaces

#### number of electrical connections

- for PROFIBUS cables

1

- for network components or terminal equipment

1

#### type of electrical connection

- for PROFIBUS cables

Integrated insulation displacement terminals for 2-core PB FC installation cables

- for network components or terminal equipment

M12 connector (female insert, 5-pin, B-coded)

#### type of electrical connection / FastConnect

Yes

### mechanical data

#### material / of the enclosure

metal

#### number of reuses

10

#### locking mechanism design

Screwed joint

#### tightening torque / for M12 round connector / maximum

0.6 N·m

#### connector coding / of the M12 circular connector

B

### design, dimensions and weights

#### type of cable outlet

180° cable outlet

#### width

19 mm

#### height

19 mm

#### depth

73 mm

#### net weight

40 g

#### connectable cable cross-section

6 ... 8 mm

#### connectable conductor cross-section

0.33 mm²

### ambient conditions

#### ambient temperature

- during operation
- during storage
- during transport

-40 ... +85 °C  
-40 ... +85 °C  
-40 ... +85 °C

#### chemical resistance

- to water

resistant

#### protection class IP

IP65/67

### product features, product functions, product components / general

product feature	
• silicon-free	Yes
product component	
• strain relief	Yes

#### standards, specifications, approvals

certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• railway application in accordance with EN 50155	No

#### standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	0.32 kg
• during manufacturing	0.28 kg
• during operation	0.01 kg
• after end of life	0.03 kg

#### further information / internet links

internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com">https://sieportal.siemens.com</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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#### security information

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#### Approvals / Certificates

General Product Approval	Test Certificates
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[Declaration of Conformity](#)



[China RoHS](#)



[Special Test Certificate](#)

other

Environment

[Miscellaneous](#)



last modified:

10/30/2025