

### 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 = 1 unit.

Technical Product Detail Page

<https://l.siemens.com/1P6GK1905-0EB10-6AA0>

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>	
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security information		
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General Product Approval	other	Environment
		
<a href="#">China RoHS</a>	<a href="#">Miscellaneous</a>	

last modified:

10/30/2025 