

## Data sheet

## 6GK1905-0EB10

### 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://i.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

1  
1

- for PROFIBUS cables
- for network components or terminal equipment

type of electrical connection

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

- for PROFIBUS cables

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 mm<sup>2</sup>

### ambient conditions

ambient temperature

-40 ... +85 °C

- during operation

-40 ... +85 °C

- during storage

-40 ... +85 °C

- during transport

chemical resistance

resistant

- to water

protection class IP

IP65/67

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

product feature	Yes
• silicon-free	
product component	Yes
• strain relief	
<b>standards, specifications, approvals</b>	
certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• railway application in accordance with EN 50155	No
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
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
<b>further information / internet links</b>	
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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<b>security information</b>	
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<b>Approvals / Certificates</b>	
General Product Approval	Test Certificates

[Declaration of Conformity](#)



[China RoHS](#)



[Special Test Certificate](#)

other

Environment

[Miscellaneous](#)



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