

### 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://i.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 mm<sup>2</sup>

### ambient conditions

ambient temperature

- during operation -40 ... +85 °C
- during storage -40 ... +85 °C
- during transport -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>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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**Approvals / Certificates**

<b>General Product Approval</b>	<b>other</b>	<b>Environment</b>
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[China RoHS](#)

[Miscellaneous](#)



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