

**product type designation**

product description

**PROFIBUS FC bus connector RS 485**

Bus connector with axial cable outlet (180°)

PROFIBUS FC RS 485 plug 180 PROFIBUS connector with FastConnect connection plug and axial cable outlet for Industry PC, SIMATIC OP, OLM, Transfer rate: 12 Mbit/s, terminating resistor with isolating function, plastic enclosure.



Technical Product Detail Page

<https://l.siemens.com/1P6GK1500-0FC10>

suitability for use

For connecting PROFIBUS nodes to the PROFIBUS bus cable

**transfer rate**

transfer rate / with PROFIBUS

9.6 kbit/s ... 12 Mbit/s

**interfaces**

number of electrical connections

- for PROFIBUS cables 2
- 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 Sub-D connector (9-pin)

type of electrical connection / FastConnect

Yes

**mechanical data**

design of terminating resistor

Integrated resistor combination that can be selected with slide switch. Disconnect function: When the resistor is connected, the outgoing bus is isolated.

material / of the enclosure

plastic

locking mechanism design

Screwed joint

**design, dimensions and weights**

type of cable outlet

180° cable outlet

width

16 mm

height

62 mm

depth

34.5 mm

net weight

40 g

**ambient conditions**

ambient temperature

- during operation -40 ... +70 °C
- during storage -25 ... +80 °C
- during transport -25 ... +80 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum 75 %

protection class IP

IP20

**product features, product functions, product components / general**

product feature

- silicon-free Yes

product component

• PG connection socket	No
• 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	0.73 kg
• during manufacturing	0.44 kg
• during operation	0.24 kg
• after end of life	0.05 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

#### General Product Approval



[China RoHS](#)



[Declaration of Con-  
formity](#)

[Manufacturer Declara-  
tion](#)

General Product Ap- proval	EMV	For use in hazardous locations
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[FM](#)

[CCC-Ex](#)



Test Certificates	Maritime application	Environment
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[Special Test Certificate](#)



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