SIEMENS

Data sheet 6GK1500-0FC10

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

transfer rate transfer rate / with PROFIBUS interfaces number of electrical connections	suitability for use	For connecting PROFIBUS nodes to the PROFIBUS bus cable
Interfaces number of electrical connections	transfer rate	
number of electrical connections	transfer rate / with PROFIBUS	9.6 kbit/s 12 Mbit/s
• for PROFIBUS cables • for network components or terminal equipment type of electrical connection • for PROFIBUS cables • for network components or terminal equipment type of electrical connection / For Education / FastConnect we can be electrical connection / FastConnect 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 34.5 mm net weight 34.5 mm ambient temperature • during operation -40 +70 °C - 25 +80 °C - 25 +80 °C relative humidity - at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general	interfaces	
• for network components or terminal equipment type of electrical connection • for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect • for network components or terminal equipment type of electrical connection / FastConnect 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 width 180° cable outlet width 16 mm height 62 mm depth 34.5 mm net weight ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general	number of electrical connections	
type of electrical connection	 for PROFIBUS cables 	2
• for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect 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 locking mechanism design design, dimensions and weights type of cable outlet width height depth abelian abelian abelian abelian 40 g ambient conditions ambient temperature during operation during storage during torage during transport -25 +80 °C relative humidity at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general	for network components or terminal equipment	1
of r network components or terminal equipment type of electrical connection / FastConnect	type of electrical connection	
type of electrical connection / FastConnect 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 design, dimensions and weights type of cable outlet width 16 mm height 62 mm depth 34.5 mm net weight 40 g ambient conditions ambient temperature • during operation • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features product features relative humidity product features product features product features product features Integrated resistor combination that can be selected with slide switch. Disconnect function: When the resistor combination that can be selected with slide switch. Disconnected, the outgoing bus is isolated. Integrated resistor combination that can be selected with slide switch. Disconnected, the outgoing bus is isolated. Integrated resistor combination that can be selected with slide switch. Disconnected, the outgoing bus is isolated. IR0° cable outlet 180° cable outlet 40 mm	• for PROFIBUS cables	
mechanical data 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 locking mechanism design plastic locking mechanism design Screwed joint design, dimensions and weights 180° cable outlet width 16 mm height 62 mm depth 34.5 mm net weight 40 g ambient conditions ambient temperature 40 +70 °C • 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 % product features, product functions, product components / general IP20	 for network components or terminal equipment 	Sub-D connector (9-pin)
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 locking mechanism design design, dimensions and weights type of cable outlet width height 62 mm depth 34.5 mm net weight 40 g ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP product features Integrated resistor combination that can be selected with slide switch. Disconnect function: When the resistor is connected, the outgoing bus is isolated. Integrated resistor combination: When the resistor is connected, the outgoing bus is isolated. ### Resistor combination that can be selected with slide switch. Disconnected, the outgoing bus is isolated. ### Resistor combination that can be selected with slide switch. Disconnected, the outgoing bus is isolated. ### Resistor connected, the outgoing bus is isolated. ### Resistor connected the outgoing bus is isolated. ### Resistor connected the outgoing bus is isolated. ### Resistor connected the outgoing bus is a connected the outgoing bus is isolated. ### Resistor connected the outgoing bus is a c	type of electrical connection / FastConnect	Yes
Disconnect function: When the resistor is connected, the outgoing bus is isolated. material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width height depth author conditions ambient conditions ambient temperature olduring operation olduring storage olduring storage olduring transport relative humidity olduring class IP product features product features plastic p	mechanical data	
locking mechanism design design, dimensions and weights type of cable outlet width height depth net weight ambient conditions ambient temperature o during operation during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP Screwed joint 180° cable outlet 180° cable	design of terminating resistor	Disconnect function: When the resistor is connected, the outgoing bus is
type of cable outlet width height depth net weight ambient conditions ambient temperature during operation during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features 180° cable outlet 180° cable o	material / of the enclosure	plastic
type of cable outlet width height depth net weight ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum product features, product functions, product components / general product feature 180° cable outlet 140 mm 40 g 40 g 40 +70 °C -25 +80 °C -25 +80 °C 1920 Product features, product functions, product components / general	locking mechanism design	Screwed joint
width height 62 mm depth 34.5 mm net weight 40 g ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features left mm 16 mm 62 mm	design, dimensions and weights	
height depth 34.5 mm net weight 40 g ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general product feature	type of cable outlet	180° cable outlet
depth net weight 40 g ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general product feature	width	16 mm
net weight ambient conditions ambient temperature • during operation • during storage • during transport • during transport • at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general product feature	height	62 mm
ambient conditions ambient temperature • during operation • during storage • during transport • during transport • at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general product feature	depth	34.5 mm
ambient temperature • during operation • during storage • during transport • during transport -25 +80 °C relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general product feature	net weight	40 g
 during operation during storage table of the storage <l< td=""><td>ambient conditions</td><td></td></l<>	ambient conditions	
 during storage during transport -25 +80 °C relative humidity at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general product feature 	ambient temperature	
during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general product feature	 during operation 	-40 +70 °C
relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 product features, product functions, product components / general product feature	during storage	-25 +80 °C
at 25 °C / without condensation / during operation / maximum protection class IP product features, product functions, product components / general product feature	during transport	-25 +80 °C
maximum protection class IP IP20 product features, product functions, product components / general product feature	relative humidity	
product features, product functions, product components / general product feature		75 %
product feature	protection class IP	IP20
	product features, product functions, product components	/ general
• silicon-free Yes	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
further information / internet-Links	
Internet-Link	
to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
to website: Industrial communication	http://www.siemens.com/simatic-net
to website: Industry Mall	https://mall.industry.siemens.com
 to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
 to website: Selection guide for cables and connectors 	https://sie.ag/2QdlxcP
to website: Image database	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager	http://www.siemens.com/cax
 to website: Industry Online Support 	https://support.industry.siemens.com
• to website: Industry Online Support	https://support.industry.siemens.com

last modified: 6/30/2021 🖸