SIEMENS

Data sheet **6GK1901-1BB10-2AB0**

product type designation	**IE FC RJ45 Plug 180 (2x2)**
product description	RJ45 data connector

Industrial Ethernet FastConnect RJ45 plug 180 2x 2, RJ45 plug-in connector (10/100 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC TP cable 2x 2; 180° cable outlet 1 pack = 10 units.
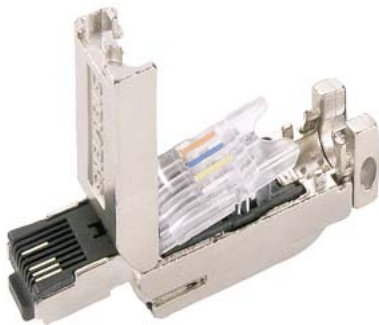
suitability for use	For connection to IE FC TP cables 2x2, suitable for fast assembly with the FastConnect system

transfer rate

transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s

interfaces

number of electrical connections	
● for Industrial Ethernet FC TP cables	4
● for network components or terminal equipment	1
type of electrical connection	
● for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22
● for network components or terminal equipment	RJ45 connector
type of electrical connection / FastConnect	Yes

mechanical data

material / of the enclosure	metal
number of reuses	10
locking mechanism design	other

design, dimensions and weights

type of cable outlet	180° cable outlet
width	13.7 mm
height	16 mm
depth	55 mm
net weight	35 g
connectable cable cross-section	6.5 ... 6.5 mm
connectable conductor cross-section	0.33 mm²

ambient conditions

ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

product features, product functions, product components / general

product feature	
● PoE capability	Yes
● PoE+capability	Yes
● 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
standard for structured cabling	Cat5
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

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