SIEMENS

Data sheet	6GK1901-1BB11-2AE0

Product type designation	IE FC RJ45 Plug 180 (4x2)
Product description	RJ45 data connector Industrial Ethernet FastConnect RJ45 plug 180 4x 2, RJ45 plug-in connector (10/100/1000 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC Cable 4x 2 (AWG24); 180° cable outlet 1 pack = 50 units

Suitability for use	For connection to IE FC TP cables 4x2, suitable for fast assembly with the FastConnect system

Transfer rate	
Transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s

Interfaces	
Number of electrical connections	
• for Industrial Ethernet FC TP cables	1
• for network components or terminal equipment	1
Type of electrical connection	
• for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 8-wire TP FC installation cable
• 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

06/24/2020

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	8 ... 8 mm

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	Cat6

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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: 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

06/24/2020