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Data sheet 6GK1901-1BB30-0AB0

Product type designation
IE FC RJ45 Plug 145 (2x2)

Product description
RJ45 data connector
IE FC RJ45 PLUG 145 2X2, RJ45 PLUG CONNECTOR (10/100MBIT/S) WITH RUGGED METAL HOUSING A. FC CONNECTION SYSTEM FOR IE FC CABLE 2X2 145 DEGR CABLE OUTLET 1 PACK = 10 PCS.



Suitability for use	For connection to IE FC TP cables 2x2, suitable for fast assembly with the FastConnect system
Transmission 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
• 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

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Design, dimensions and weight	
Type of cable outlet	145° cable outlet
Width	13.9 mm
Height	16 mm
Depth	55.6 mm
Net weight	35 g
Connectable cable cross-section	6.5 ... 6.5 mm

Permitted 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 properties, functions, 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 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

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