

## Data sheet

6GK1901-1BB20-2AA0

product type designation	IE FC RJ45 Plug 90 (2x2)
product description	RJ45 data connector
	Industrial Ethernet FastConnect RJ45 plug 90 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; 90° cable outlet 1 pack = 1 unit.
	
suitability for use	For connection to IE FC TP cables 2x2, suitable for fast assembly with the FastConnect system
<b>transfer rate</b>	
transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s
<b>interfaces</b>	
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
<b>mechanical data</b>	
material / of the enclosure	metal
number of reuses	10
locking mechanism design	other
<b>design, dimensions and weights</b>	
type of cable outlet	90° cable outlet
width	13.7 mm
height	16 mm
depth	42 mm
net weight	35 g
connectable cable cross-section	6.5 ... 6.5 mm
connectable conductor cross-section	0.33 mm <sup>2</sup>
<b>ambient conditions</b>	
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
<b>product features, product functions, product components / general</b>	
product feature	
• PoE capability	Yes
• PoE+capability	Yes
• silicon-free	Yes

product component	Yes
• strain relief	
<b>standards, specifications, approvals</b>	
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
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	0.277 kg
• during manufacturing	0.263 kg
• during operation	0.0086 kg
• after end of life	0.0062 kg
<b>further information / internet links</b>	
internet link	
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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