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Data sheet 6GK1901-0DE20-6AA0

product type designation	**IE Adapter M12-X/M12-D**
product description	M12 adapter with degree of protection IP65
	IE adapter M12-X/M12-D; Cat5e; M12 D-encoded socket to M12 X- encoded pin; for easy connection of M12 interfaces with D and X coding; 1 pack = 1 unit;



product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1901-0DE20-6AA0
suitability for use	adapter (passive) for connecting 4-wire M12 cables (100 MB) to 8-wire M12 interfaces on active components
transfer rate	
transfer rate / for Industrial Ethernet	10, 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 network components or terminal equipment	M12 X male/M12 D female
mechanical data	
material / of the enclosure	metal
locking mechanism design	Screwed joint
tightening torque / for M12 round connector / maximum	0.6 N·m
connector coding / of the M12 circular connector	D / X
design, dimensions and weights	
width	15 mm
height	15 mm
depth	56 mm
net weight	30 g
ambient conditions	
ambient temperature	
● during operation	-25 ... +85 °C
● during storage	-25 ... +85 °C
● during transport	-25 ... +85 °C
protection class IP	IP67
product features, product functions, product components / general	
product feature	
● PoE capability	Yes
● PoE+ capability	Yes
● silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
standard for structured cabling	Cat5e

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further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
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Approvals / Certificates

General Product Approval

CE
EG-Konf.

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