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Data sheet 6GK1901-0DE21-6AA0

product type designation	**IE Adapter M12-X90/M12-D90**
product description	90 degree angled M12 adapter with degree of protection IP65
	IE adapter M12-X90/M12-D90; M12 X-encoded pin to M12 D- encoded socket; Cat5; 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/1P6GK1901-0DE21-6AA0
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	42 mm
depth	44 mm
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
further information / internet links	

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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

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE
EG-Konf.

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