SIEMENS

Data sheet 6GK1906-0EA00

product type designation	**Power M12 Plug PRO**
product description	M12 plug-in connector with male contact insert, rated current 12 A (70 °C), 4-pole, L-coded

Power M12 plug PRO, axial cable outlet for assembly in the field, male contact insert, L-coded (pin) 1 pack = 1 unit.



product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1906-0EA00
suitability for use	For 24 V DC power supply of devices with L-coded M12 interface
interfaces	
number of electrical connections	
● for network components or terminal equipment	1
type of electrical connection	
● for network components or terminal equipment	M12 connector (male contact insert, 4-pole, L-coded)
type of electrical connection / FastConnect	No
electrical data	
ampacity / of the contacts / maximum	16 A
ampacity / up to 70 °C / maximum	12 A
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	L
design, dimensions and weights	
type of cable outlet	180° cable outlet
width	23 mm
height	23 mm
depth	69.4 mm
net weight	96 g
connectable cable diameter	7 ... 9 mm
connectable conductor cross-section	1.5 ... 2.5 mm²
ambient conditions	
ambient temperature	
● during operation	-40 ... +105 °C
● during storage	-40 ... +105 °C
● during transport	-40 ... +105 °C
chemical resistance	
● to water	resistant
protection class IP	IP67/69K
product features, product functions, product components / general	
product feature	
● silicon-free	Yes

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product component	
● strain relief	Yes
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
● UL approval	Yes
● railway application in accordance with EN 50155	No
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	
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	Industrial Communication
EAC CE EG-Konf.	PROFINET

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