SIEMENS

Data sheet 6GT2090-0BE00

product type designation	**M12, 8 pin, male, straight**
product description	Connector M12 (pin) with screw terminal and PG fitting
	RF connector M12 8-pole, male, straight, Screw terminal minimum order quantity 5 units.



product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2090-0BE00
suitability for use	For communication module ASM 456, RF160C, RF170C, RF180C, RF182C, RFID 181EIP
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 insert, 8-pin, A-coded)
mechanical data	
material / of the enclosure	plastic PA
locking mechanism design	Screwed joint
number of poles	8
tightening torque / for contacts / with screw-type terminals	0.2 N·m
tightening torque / for M12 round connector / maximum	0.6 N·m
connector coding / of the M12 circular connector	A
design, dimensions and weights	
type of cable outlet	180° cable outlet
width	20.2 mm
height	20.2 mm
depth	54 mm
net weight	30 g
connectable cable diameter	6 ... 8 mm
connectable conductor cross-section	0.75 mm²
● solid	0.2 ... 0.5 mm²
● finely stranded / with core end processing	0.2 ... 0.5 mm²
ambient conditions	
ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
protection class IP	IP67
standards, specifications, approvals	
certificate of suitability	
● UL approval	Yes
further information / internet links	
internet link	

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● 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

EAC	China RoHS	Manufacturer Declaration

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