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Data sheet 6GK6050-0ML16-0AA1

	Power Supply 88- 300VDC or 85 - 264VAC supports Terminal Block on Front
Technical Product Detail Page	https://i.siemens.com/1P6GK6050-0ML16-0AA1
suitability for operation	MX5000
electrical data / input	
supply voltage / 1 / rated value	110 V
● supply voltage / 1 / rated value	88 ... 300 V
supply voltage / 2 / rated value	110 V
● supply voltage / 2 / rated value	85 ... 264 V
interfaces	
number of electrical connections	
● for power supply	1
● for signaling contact	1
type of electrical connection	
● for power supply	3 pole terminal block, permanently installed, screw contact
● for signaling contact	3 pole terminal block, permanently installed, plug contact
signal inputs/outputs	
product component / signaling contact	Yes
relay design	Relay with form-C contact (CO, change over)
number of relay outputs / as CO contact	1
operating voltage / of the signaling contacts	
● at AC / maximum	250 V
● at DC / maximum	30 V
operational current / of the signaling contacts	
● at AC / at 250 V / maximum	0.25 A
● at DC / at 30 V / maximum	2 A
design, dimensions and weights	
design	removable module
net weight	1.5 kg
fastening method	
● screw connection	Yes
ambient conditions	
ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
● note	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
standards, specifications, approvals	
standard	
● for EMC	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-7
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-10
● relating to NEMA	TS 2
● CE marking	Yes
● IEC 61850-3	Yes
● IEEE 1613	Yes

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standards, specifications, approvals / hazardous environments	
standard / for hazardous zone / from CSA and UL	Hazardous Locations: Class 1 Division 2
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 website: Industrial communication	https://www.siemens.com/simatic-net
● to website: Siemens RUGGEDCOM	https://www.siemens.com/ruggedcom
● 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			Functional Saftey		Test Certificates
Manufacturer Declaration	CE EG-Konf.	UKCA	CSA	UL	CB

other	Environment
inspection certificate	EPD

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