SIEMENS

Data sheet 6ED1055-1MA00-0BA2



LOGO! AM2 expansion module, PS/: 12/24 V DC, 2 AI, 0-10 V or 0/4-20 mA for LOGO! 8

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
● 12 V DC	Yes; 10.8 V DC to 28.8 V DC
● 24 V DC	Yes; 10.8 V DC to 28.8 V DC
Input current	
Current consumption, typ.	30 mA
Analog inputs	
Number of analog inputs	2
Input ranges	
● Voltage	Yes
● Current	Yes
● Resistance thermometer	No
Input ranges (rated values), voltages	
● 0 to +10 V	Yes
Input ranges (rated values), currents	
● 0 to 20 mA	Yes; 0 mA or 4 mA to 20 mA
Input ranges (rated values), resistance thermometer	
● Pt 100	No
EMC	
Emission of radio interference acc. to EN 55 011	
● Limit class B, for use in residential areas	Yes
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	Yes
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	16.5 kg
— global warming potential, (during production) [CO2 eq]	3.22 kg

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— global warming potential, (during operation) [CO2 eq]	13.4 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.124 kg

Ambient conditions

Ambient temperature during operation	
● min.	-20 °C; No condensation
● max.	55 °C

Dimensions

Width	35.5 mm
Height	90 mm
Depth	58 mm

Classifications

	Version	Classification
eClass	16	27-24-22-01
eClass	14	27-24-22-01
eClass	12	27-24-22-01
eClass	9.1	27-24-22-01
eClass	9	27-24-22-01
eClass	8	27-24-22-01
eClass	7.1	27-24-22-01
eClass	6	27-24-22-01
ETIM	10	EC001420
ETIM	9	EC001420
ETIM	8	EC001420
ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration | EG-Konf. | UKCA | UL | KC

General Product Approval

Metrological Approval | RCM | EAC | KC | China RoHS | Manufacturer Declaration

General Product Approval

EG-Konf. | UKCA

For use in hazardous locations

CCC-Ex | UL | FM | CCC-Ex

Maritime application

ABS | Bureau Veritas | DNV | LRS | NK / Nippon Kaiji Kyokai | CCS (China Classification Society)

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Maritime application	Environment
KR (Korean Register of Shipping)	

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