

SIPLUS LOGO! AM2 AQ -40...+70 °C start-up -25 °C with conformal coating based on 6ED1055-1MM00-0BA2 . Expansion module, PS: 24 V DC, 2 AO, 0-10 V, 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 | No |
| • 24 V DC | Yes |

Analog outputs

Number of analog outputs 2

Output ranges, voltage

- | | |
|-------------|-----|
| • 0 to 10 V | Yes |
|-------------|-----|

Output ranges, current

- | | |
|-----------------|-----|
| • 0 to 20 mA | Yes |
| • 4 mA to 20 mA | Yes |

EMC

Emission of radio interference acc. to EN 55 011

- | | |
|---|-----|
| • Limit class B, for use in residential areas | Yes |
|---|-----|

Degree and class of protection

Degree of protection acc. to EN 60529

- | | |
|--------|-----|
| • IP20 | Yes |
|--------|-----|

Standards, approvals, certificates

CE mark Yes

developed in accordance with IEC 61131 Yes

according to VDE 0631 Yes

Marine approval Yes

Ambient conditions

Ambient temperature during operation

- | | |
|-------------------------|----------------------------------|
| • min. | -40 °C; = Tmin; Startup @ -25 °C |
| • max. | 70 °C; = Tmax |
| • At cold restart, min. | -25 °C |

Ambient temperature during storage/transportation

- | | |
|--------|--------|
| • min. | -40 °C |
| • max. | 70 °C |

Altitude during operation relating to sea level	
<ul style="list-style-type: none"> • Installation altitude above sea level, max. • Ambient air temperature-barometric pressure-altitude 	5 000 m Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
Relative humidity	
<ul style="list-style-type: none"> • With condensation, tested in accordance with IEC 60068-2-38, max. 	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
Resistance	
Coolants and lubricants	
— Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *
from supply voltage 1L+	
— Note regarding classification of environmental conditions acc. to EN 60721	* The supplied plug covers must remain in place over the unused interfaces during operation!
Dimensions	
Width	35.5 mm
Height	90 mm
Depth	58 mm
last modified:	05/19/2018