SIEMENS

Data sheet 6AG1055-4MH08-2BA1

Figure similar

SIPLUS LOGO! TDE based on 6ED1055-4MH08-0BA1 with conformal coating, -25…+60 °C, start up -20 °C, 6-line, 3 background colors 2 Ethernet ports, installation accessories for LOGO! 8

General information	
Product type designation	Text display
Suitability for use	Can be used with LOGO! 8 and higher
based on	6ED1055-4MH08-0BA1
Display	
Design of display	FSTN
Line display	
● Number of lines	6
● Number of characters per line	20
Backlighting	
● Type of backlighting	LED
Control elements	
Keyboard	
● System keys	Yes
— Number of configurable system keys	0
● alphanumeric keyboard	No
Installation type/mounting	
Wall mounting/direct mounting	No
Supply voltage	
Type of supply voltage	AC/DC
Rated value (DC)	12 V; 12/24 V DC, 24 V AC
Power loss	
Power loss, typ.	1.8 W; Power supply: 24 V DC
Interrupts/diagnostics/status information	
Diagnostics function	No
Degree and class of protection	
IP (at the front)	IP65
Standards, approvals, certificates	
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	43 kg
— global warming potential, (during production) [CO2 eq]	8.5 kg
— global warming potential, (during operation) [CO2 eq]	34.5 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.065 kg

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Ambient conditions	
Ambient temperature during operation	
● min.	-25 °C; = Tmin; Startup @ -20 °C
● max.	60 °C; = Tmax; Tmax: >55 °C application of max. 1 Industrial Ethernet interface
● At cold restart, min.	-20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	5 000 m
● Ambient air temperature-barometric pressure-altitude	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	
● 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; *
Usage in industrial process technology	
— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
● Coatings for printed circuit board assemblies acc. to EN 61086	Yes; Class 2 for high reliability
● Protection against fouling acc. to EN 60664-3	Yes; Type 1 protection
● Military testing according to MIL-I-46058C, Amendment 7	Yes; Discoloration of coating possible during service life
● Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, Class A
Configuration	
Configuration software	
● Configuration tool	LOGO! Soft Comfort V8
Accessories	
belongs to product	LOGO!
Mechanics/material	
Design of housing	plastic
Dimensions	
Width	128.2 mm
Height	86 mm
Depth	38.7 mm

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mounting depth	38.7 mm

Weights

Weight, approx.	220 g

Classifications

	Version	Classification
eClass	16	27-33-02-03
eClass	14	27-33-02-03
eClass	12	27-33-02-03
eClass	9.1	27-33-02-03
eClass	9	27-33-02-03
eClass	8	27-24-23-04
eClass	7.1	27-24-23-04
eClass	6	27-24-23-04
ETIM	10	EC001426
ETIM	9	EC001426
ETIM	8	EC001426
ETIM	7	EC001426
IDEA	4	6679
UNSPSC	15	43-21-19-06

Approvals / Certificates

General Product Approval

Manufacturer Declaration

China RoHS

General Product Approval	EMV	Environment
China RoHS		

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