



Figure similar

SIPLUS LOGO! 230RCEO based on 6ED1052-2FB08-0BA1 with conformal coating, -40...+70 °C, start up -25 °C, logic module, power supply / I/O: 115V/230V/relay, 8 DI/4 DQ, without display, memory 400 blocks, modularly expandable, Ethernet, integrated web server, data log, user-defined web pages, standard microSD card for LOGO! Soft Comfort V8.3 or higher older projects executable cloud connection in all LOGO! 8.3 basic unit

General information	
based on	6ED1052-2FB08-0BA1
Display	
with display	No
Installation type/mounting	
Mounting	on 35 mm DIN rail, 4 spacing units wide
Supply voltage	
Rated value (DC)	
• 115 V DC	Yes
• 230 V DC	Yes; 240 V DC
permissible range, lower limit (DC)	100 V
permissible range, upper limit (DC)	253 V
Rated value (AC)	
• 115 V AC	Yes
• 230 V AC	Yes; 240 V AC
Line frequency	
• permissible range, lower limit	47 Hz
• permissible range, upper limit	63 Hz
Time of day	
Time switching clocks	
• Number	400; Max. 400, function-specific
• Power reserve	480 h
Digital inputs	
Number of digital inputs	8
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No; external fusing necessary
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	10 A
EMC	
Emission of radio interference acc. to EN 55 011	
• Limit class B, for use in residential areas	Yes; Radio interference suppression according to EN55011, Limit Value Class B
Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C; = Tmin; Startup @ -25 °C

• max. • At cold restart, min.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -25 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)																											
Ambient temperature during storage/transportation																												
• min. • max.	-40 °C 70 °C																											
Altitude during operation relating to sea level																												
• Installation altitude above sea level, max. • Ambient air temperature-barometric pressure-altitude	2 000 m Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 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 — to chemically active substances according to EN 60721-3-3 — to mechanically 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 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 3S4 incl. sand, dust, *																											
Use on ships/at sea																												
— to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; *																											
Usage in industrial process technology																												
— Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Class 3 (excluding trichlorethylene) 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 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Class 2 for high reliability Yes; Type 1 protection Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A																											
Dimensions																												
Width	71.5 mm																											
Height	90 mm																											
Depth	60 mm																											
Classifications																												
	<table><tr><td></td><td>Version</td><td>Classification</td></tr><tr><td>eClass</td><td>14</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>12</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>9.1</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>9</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>8</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>7.1</td><td>27-24-22-16</td></tr><tr><td>eClass</td><td>6</td><td>27-24-22-16</td></tr><tr><td>ETIM</td><td>10</td><td>EC001417</td></tr></table>		Version	Classification	eClass	14	27-24-22-16	eClass	12	27-24-22-16	eClass	9.1	27-24-22-16	eClass	9	27-24-22-16	eClass	8	27-24-22-16	eClass	7.1	27-24-22-16	eClass	6	27-24-22-16	ETIM	10	EC001417
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ETIM	8	EC001417
ETIM	7	EC001417
IDEA	4	3565
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	EMV
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[Manufacturer Declaration](#)


EG-Konf.



[China RoHS](#)


UL


RCM

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