## **Data sheet**



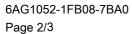
Figure similar

SIPLUS LOGO! 230RCE -20 ... +70 °C Start up -20 °C With conformal coating Based on 6ED1052-1FB08-0BA0 . Logic module, display PS/I/O: 115 V/230 V/relay, 8 DI (4 AI)/4 DQ, memory 400 blocks, modularly expandable, Ethernet Integr. web server, data log, user-defined web pages, standard microSD card For LOGO! Soft Comfort V8 or higher, older projects executable

Display	
with display	Yes; The legibility and response time of the display may be reduced or lengthened at temperatures outside 0 +55 °C. These effects are self-reversing on return to the normal temperature range of 0 +55 °C.
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
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
Line frequency	

<ul> <li>permissible range, lower limit</li> </ul>	47 Hz
permissible range, lower limit     permissible range, upper limit	63 Hz
Time of day	
Time switching clocks	400 M 400 f 6
• 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
Ambient conditions	
Ambient conditions	
Ambient temperature during operation	
	-25 °C; = Tmin; Startup @ -20 °C
Ambient temperature during operation	-25 °C; = Tmin; Startup @ -20 °C 70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay
Ambient temperature during operation  • min.	· ·
Ambient temperature during operation  • min.  • max.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning
Ambient temperature during operation  • min.  • max.  • At cold restart, min.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation  • min.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)  -40 °C
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation  • min.  • max.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)  -40 °C
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation  • min.  • max.  Altitude during operation relating to sea level	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)  -40 °C 70 °C
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation  • min.  • max.  Altitude during operation relating to sea level  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)  -40 °C 70 °C  2 000 m
Ambient temperature during operation  • min.  • max.  • At cold restart, min.  Ambient temperature during storage/transportation  • min.  • max.  Altitude during operation relating to sea level  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)  -40 °C 70 °C  2 000 m



Coolants and lubricants

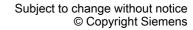
to EN 60721-3-3

coolants and lubricants

Use in stationary industrial systems

— Resistant to commercially available

— to biologically active substances according



Yes; Incl. diesel and oil droplets in the air

exception of fauna); Class 3B3 on request

Yes; Class 3B2 mold, fungus and dry rot spores (with the

<ul> <li>to chemically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
<ul> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
<ul> <li>to biologically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
<ul> <li>to chemically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
<ul> <li>Against chemically active substances acc.</li> <li>to EN 60654-4</li> </ul>	Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li> </ul>	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	
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes; Class 2 for high reliability
<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life
<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> </ul>	Yes; Conformal coating, Class A
Dimensions	
Width	71.5 mm
Height	90 mm
Depth	60 mm

09/24/2020



last modified: