ABL8RED24400

redundancy module - 40A - for regulated SMPS



Main Range of product Phaseo Product or component type Input voltage 24...28.8 V DC Output voltage (Uin-0.2) V DC Maximum output current

Complementary

Input voltage limits	2230 V	
Input current	20 A	
Number of output channels	1	
Output protection type	Against overload, protection technology: external protection by power supply Against short-circuits, protection technology: external protection by power supplements.	
Connections - terminals	Removable screw terminal block for diagnostic relay, connection capacity: 1 x 2.5 mm²AWG gauge14 Screw type terminals for input connection, connection capacity: 4 x 0.54 x 10 mm²AWG gauge208 Screw type terminals for output connection, connection capacity: 2 x 0.52 x 10 mm²AWG gauge208	
Fixing mode	By clips on 35 mm symmetrical DIN rail, operating position: horizontal By clips on 35 mm symmetrical DIN rail, operating position: vertical	
Output coupling	Parallel	
Marking	CE	
Name of test	Conducted/Radiated emissions conforming to EN 55022 Class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 50081-1 Emission conforming to EN 61000-6-3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 level 3 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Surge conforming to EN/IEC 61000-4-5 level 2	
Local signalling	LED per input green, function: power supply status relay , function: power supply status	
Product weight	0.7 kg	

Environment

IP degree of protection	IP10 conforming to EN/IEC 60529	
Ambient air temperature for operation	-2560 °C	
Ambient air temperature for storage	-4085 °C	
Relative humidity	090 % during operation 095 % during storage	
Class of protection against electric shock	Class II conforming to VDE 0106-1	
Vibration resistance	2 gn (f = 11.9150 Hz) conforming to EN/IEC 61131-2 3.5 mm (f = 311.9 Hz) conforming to EN/IEC 61131-2	
Dielectric strength	500 V between input and ground 500 V between output and ground	
Product certifications	CCSAus C-Tick UL	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or intelability of these products for specific user applications. It is the douty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environmental characteristic	EMC conforming to EN 61000-6-3	
	EMC conforming to EN/IEC 61000-6-2	
	Safety conforming to EN/IEC 60950-1	
	Safety conforming to EN/IEC 61204	
RoHS EUR status	Compliant	
RoHS EUR conformity date	0501	

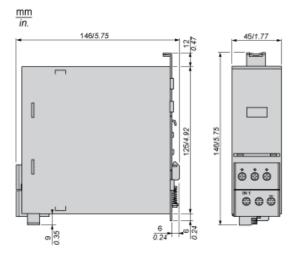


Product data sheet Dimensions Drawings

ABL8RED24400

Redundancy Module

Dimensions



Product data sheet Mounting and Clearance

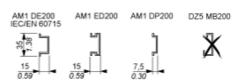
ABL8RED24400

Redundancy Module

Mounting

Redundancy modules can be installed on a DIN rail. The graphic below provides the characteristics and references of the compatible DIN rails for the mounting of the module.

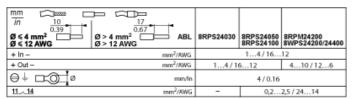




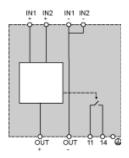
ABL8RED24400

Wiring Requirements

Cable Types and Wire Sizes

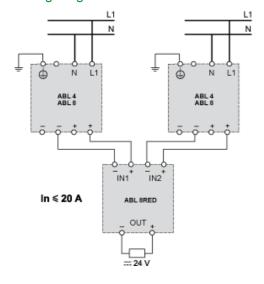


Internal Wiring Diagram



Scheme of Use with Power Supplies

Wiring Diagram with In ≤ 20mA



Wiring Diagram with In ≤ 40mA

