



Main

Range of product	Phaseo
Product or component type	Redundancy module
Input voltage	24...28.8 V DC
Output voltage	(U _{in} -0.2) V DC
Maximum output current	40 A

Complementary

Input voltage limits	22...30 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 supply
Connections - terminals	Screw type terminals for output connection , connection capacity: 2 x 0.5...2 x 10 mm ² AWG gauge20...8 Screw type terminals for input connection , connection capacity: 4 x 0.5...4 x 10 mm ² AWG gauge20...8 Removable screw terminal block for diagnostic relay , connection capacity: 1 x 2.5 mm ² AWG gauge14
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	1 LED per input green , function: power supply status 1 relay , function: power supply status
Product weight	0.7 kg

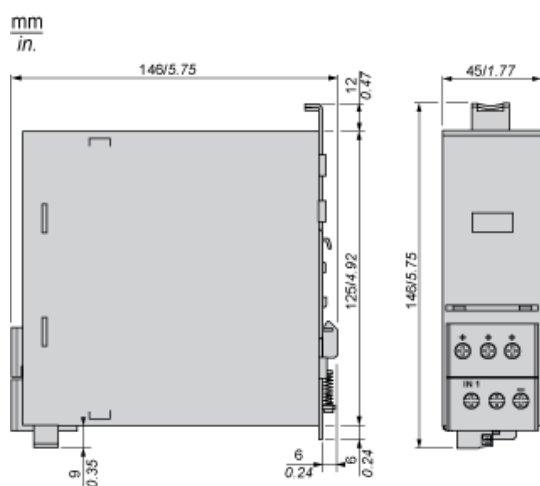
Environment

IP degree of protection	IP10 conforming to EN/IEC 60529
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	0...90 % during operation 0...95 % during storage
Class of protection against electric shock	Class II conforming to VDE 0106-1
Vibration resistance	3.5 mm (f = 3...11.9 Hz) conforming to EN/IEC 61131-2 2 gn (f = 11.9...150 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
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

Redundancy Module

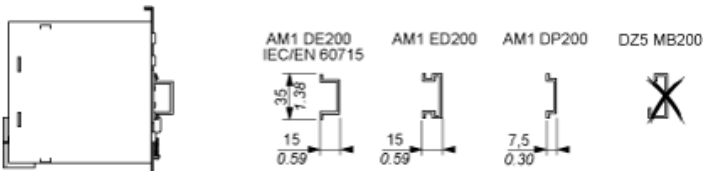
Dimensions



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.

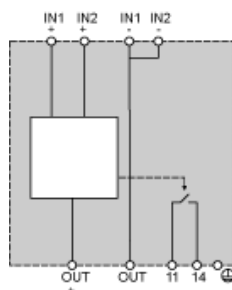


Wiring Requirements

Cable Types and Wire Sizes

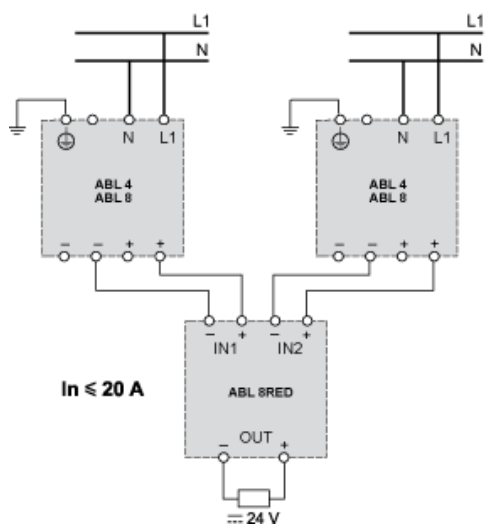
$\frac{\text{mm}}{\text{In}}$			ABL	8RPS24030	8RPS24050 8RPS24100	8RPM24200 8WPS24200/24400
Ø ≤ 4 mm² Ø ≤ 12 AWG	Ø > 4 mm² Ø > 12 AWG			1...4 / 16...12		
+ In -	mm²/AWG			1...4 / 16...12		
+ Out -	mm²/AWG			1...4 / 16...12	4...10 / 12...6	
	mm/In			4 / 0.16		
11...14	mm²/AWG			-	0.2...2.5 / 24...14	

Internal Wiring Diagram



Scheme of Use with ABL4 Power Supplies

Wiring Diagram with $I_n \leq 20\text{mA}$



Wiring Diagram with $I_n \leq 40\text{mA}$

