

Product availability: Stock - Normally stocked in distribution facility



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 output connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Screw type terminals input connection, connection capacity: 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8 Removable screw terminal block diagnostic relay, connection capacity: 1 x 2.5 mm ² AWG 14
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
Operating altitude	6561.68 ft (2000 m)
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 relay, function: power supply status 1 LED per input green, function: power supply status
Product weight	1.54 lb(US) (0.7 kg)

Environment

IP degree of protection	Conforming to EN/IEC 60529
Ambient air temperature for operation	-13...140 °F (-25...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	0...90 % during operation 0...95 % during storage
Overvoltage category	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	RCM EAC
Standards	CSA C22.2 No 60950-1 UL 508
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

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	00785901562726
Nbr. of units in pkg.	1
Package weight(Lbs)	1.3100000000000001
Returnability	Y
Country of origin	PH

Offer Sustainability

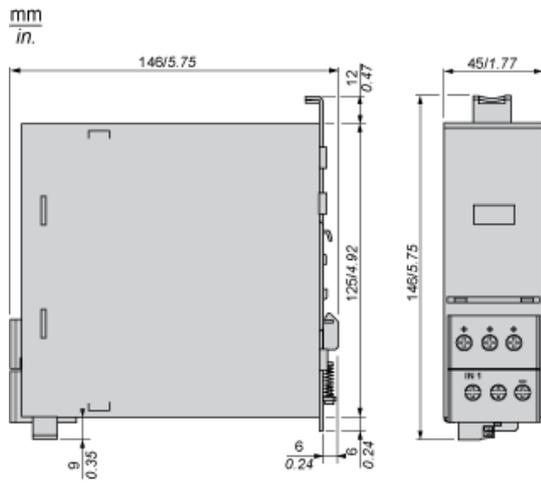
RoHS (date code: YYWW)	Compliant - since 0501 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Redundancy Module

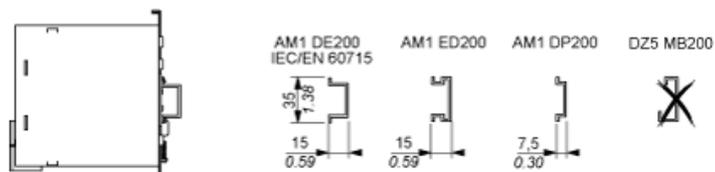
Dimensions



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.

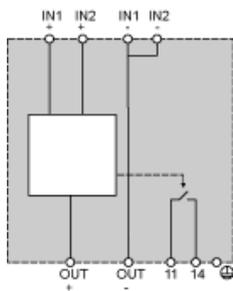


Wiring Requirements

Cable Types and Wire Sizes

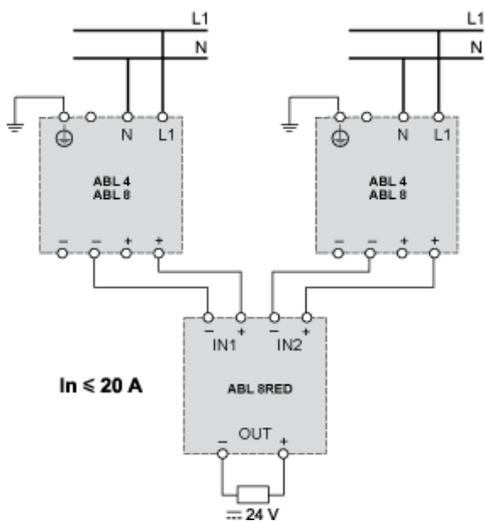
mm /in			ABL	8RPS24030	8RPS24050 8RPS24100	8RPM24200 8WPS24200/24400
$\varnothing \leq 4 \text{ mm}^2$ $\varnothing \leq 12 \text{ AWG}$	$\varnothing > 4 \text{ mm}^2$ $\varnothing > 12 \text{ AWG}$					
+ In -	mm ² /AWG			1...4 / 16...12		
+ Out -	mm ² /AWG			1...4 / 16...12	4...10 / 12...6	
	mm/in			4 / 0.16		
11...14	mm ² /AWG			-	0,2...2,5 / 24...14	

Internal Wiring Diagram

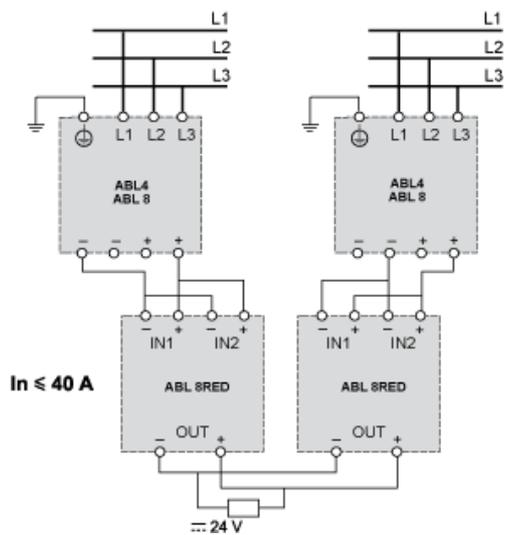


Scheme of Use with Power Supplies

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



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



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