



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	Phaseo
Product or component type	Electronic protection module
Input voltage	24...28.8 V DC
Output voltage	(U _{in} -0.3) V DC
Maximum output current	10 A per channel, rating: 1/2.5/4/5/7/8/10

Complementary

Input voltage limits	19...32 V
Input current	40 A
Number of output channels	4
Output protection type	Against overload 1.3 x In Against short-circuits automatic reset Line protection 1 x 15 A integrated fuse per channel
Complementary function	2-pole breaking by channel
Breaking capacity	1000 A 32 V DC by fuse
Connections - terminals	Input connection screw type terminals 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8 Diagnostic relay removable screw terminal block 1 x 2.5 mm ² AWG 14 Output connection screw type terminals 8 x 0.5...8 x 4 mm ² AWG 20...AWG 10
Fixing mode	By clips 35 mm symmetrical DIN rail vertical On panel
Operating altitude	6561.68 ft (2000 m)
Marking	CE
Name of test	Electrostatic discharges EN/IEC 61000-4-2 Emission EN 61000-6-3 Induced electromagnetic field EN/IEC 61000-4-6 level 3 Radiated electromagnetic field EN/IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Surge EN/IEC 61000-4-5 level 2 Conducted/Radiated emissions EN 55022 class B Emission EN 50081-1
Local signalling	Channel status 1 LED per channel green/red) Channel status 1 relay
Net weight	1.04 lb(US) (0.47 kg)

Environment

Product certifications	RCM EAC
Standards	UL 508 CSA C22.2 No 60950-1
Ambient air temperature for operation	-13...140 °F (-25...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Environmental characteristic	EMC EN 61000-6-3 EMC EN/IEC 61000-6-2 Safety EN/IEC 60950-1 Safety EN/IEC 61204-3

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 reliability of these products for specific user applications. It is the duty 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.

IP degree of protection	IP20 EN/IEC 60529
Dielectric strength	500 V between input and ground 500 V between output and ground
Overvoltage category	Class II VDE 0106-1
Relative humidity	0...90 % during operation 0...95 % during storage
Vibration resistance	2 gn 11.9...150 Hz)EN/IEC 61131-2 3.5 mm 3...11.9 Hz)EN/IEC 61131-2

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	00785901644149
Package weight(Lbs)	0.37 kg (0.81 lb(US))
Returnability	No

Offer Sustainability

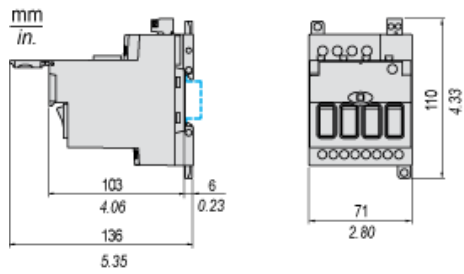
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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Downstream Electronic Protection Module

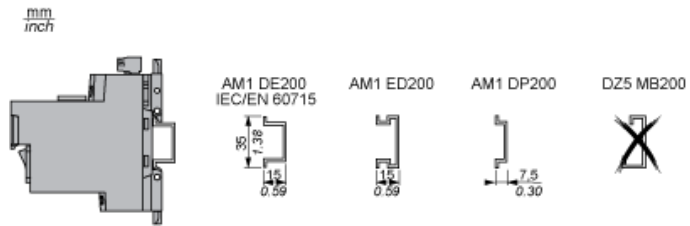
Dimensions



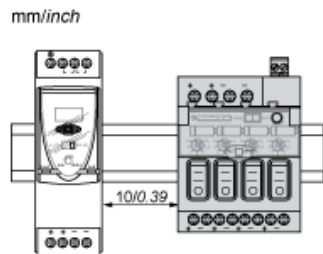
Downstream Electronic Protection Module

Mounting DIN rails

Downstream electronic protection 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.

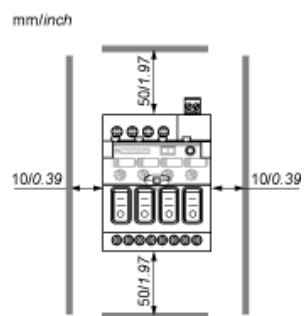


Module Mounting




Downstream Electronic Protection Module

Clearance

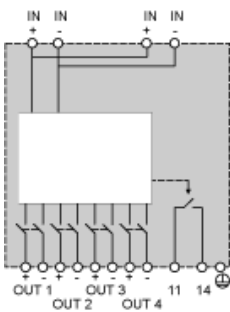


Wiring Requirements

Cable Types and Wire Sizes

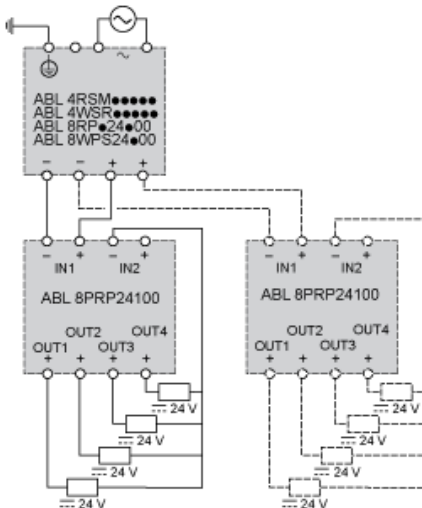
mm inch				ABL 8RPS24030 8RPS24050 8RPS24100	8RPM24200 8WPS24200/24400
	lin / Ulin	mm ² /AWG		1...4 / 16...12	4...10 / 12...6
	lout / Uout	mm ² /AWG		0.5...4 / 20...12	
	11...14	mm ² /AWG		0.2...2.5 / 24...14	

Internal Wiring Diagram



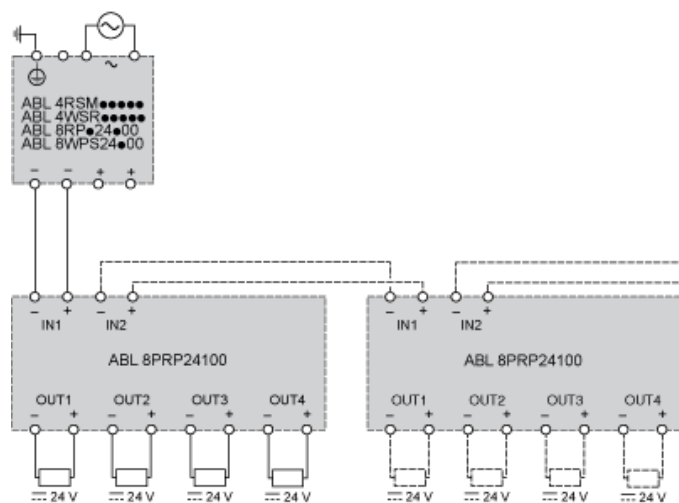
Wiring Diagrams

24 Vdc Output Circuits with Common Point



IN1 and IN2 terminals limited to 40 A

24 Vdc Output Circuits without Common Point



IN1 and IN2 terminals limited to 40 A