



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, protection technology: 1.3 x I _n Against short-circuits, protection technology: automatic reset Line protection, protection technology: 1 x 15 A integrated fuse per channel
Complementary function	2-pole breaking by channel
Breaking capacity	1000 A at 32 V DC by fuse
Connections - terminals	Removable screw terminal block for diagnostic relay, connection capacity: 1 x 2.5 mm ² AWG gauge14 Screw type terminals for input connection, connection capacity: 4 x 0.5...4 x 10 mm ² AWG gauge20...8 Screw type terminals for output connection, connection capacity: 8 x 0.5...8 x 4 mm ² AWG gauge20...10
Fixing mode	By clips on 35 mm symmetrical DIN rail, operating position: vertical On panel
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 channel green/red, function: channel status 1 relay, function: channel status
Product weight	0.47 kg

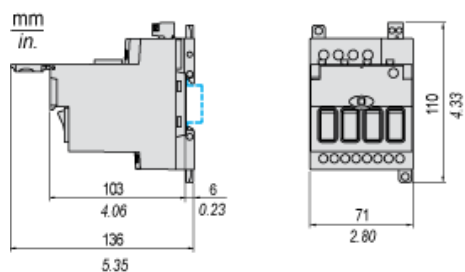
Environment

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	2 gn (f = 11.9...150 Hz) conforming to EN/IEC 61131-2 3.5 mm (f = 3...11.9 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
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 61204-3
RoHS EUR status	Compliant
RoHS EUR conformity date	0501

Downstream Electronic Protection Module

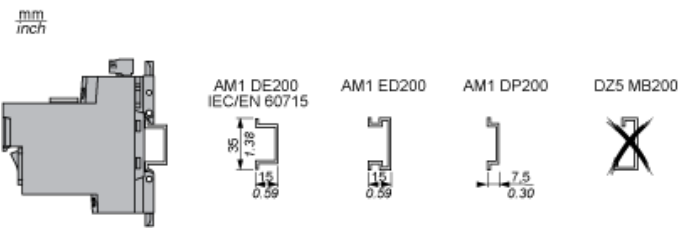
Dimensions



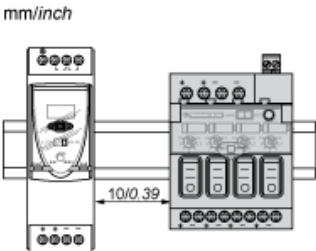
Downstream Electronic Protection Module

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.

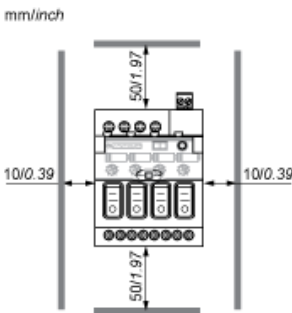


Module Mounting



Downstream Electronic Protection Module

Clearance

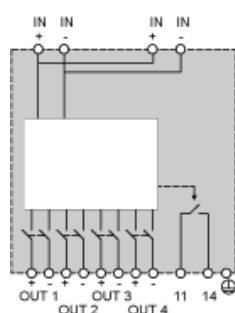


Wiring Requirements

Cable Types and Wire Sizes

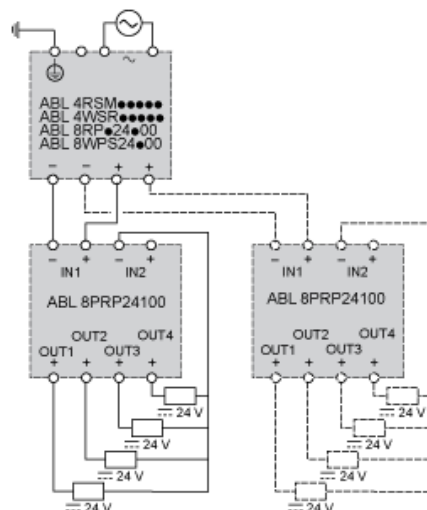
mm inch	10 0.39	ABL	8RPS24030 8RPS24050 8RPS24100	8RPM24200 8WPS24200/24400
lin / Uin		mm ² /AWG	1...4 / 16...12	4...10 / 12...6
lout / Uout		mm ² /AWG	0.5...4 / 20...12	
11...14		mm ² /AWG	0.2...2.5 / 24...14	

Internal Wiring Diagram



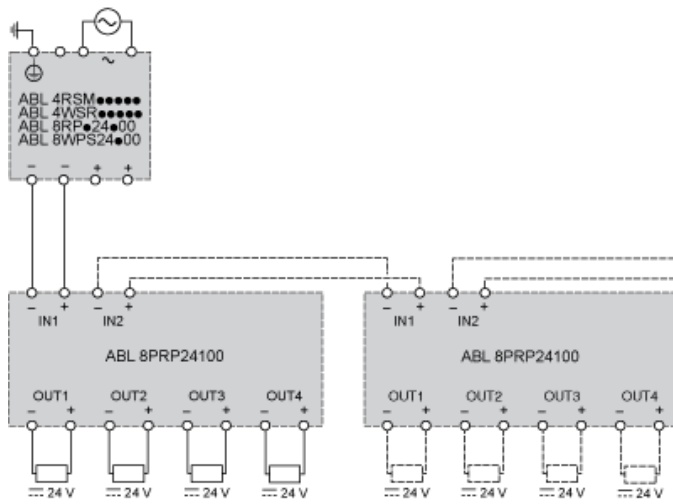
Wiring Diagrams

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