

Product datasheet

Specifications



electronic protection module - 28..28.8 V DC - 10 A - for regulated SMPS

ABL8PRE24100

❗ **Discontinued on:** 01 November 2020

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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	1-pole breaking by channel
Breaking capacity	1000 A at 32 V DC by fuse
Connections - terminals	For input connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8 For diagnostic relay: removable screw terminal block, connection capacity: 1 x 2.5 mm ² AWG 14 For output connection: screw type terminals, connection capacity: 8 x 0.5...8 x 4 mm ² AWG 20...AWG 10
Fixing mode	By clips on 35 mm symmetrical DIN rail, operating position: vertical On panel
Marking	CE
Name of test	Electrostatic discharges conforming to EN/IEC 61000-4-2 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 Conducted/radiated emissions conforming to EN 55022 class B Emission conforming to EN 50081-1
Local signalling	1 LED per channel (green/red) for channel status 1 relay for channel status
Net weight	0.47 kg

Environment

Product certifications	UL cCSAus
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	C-Tick
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C
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
IP degree of protection	IP10 conforming to EN/IEC 60529
Dielectric strength	500 V between input and ground 500 V between output and ground
Overvoltage category	Class II conforming to VDE 0106-1
Relative humidity	0...90 % during operation 0...95 % during storage
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

ABL8PRE24100 is replaced by:

1x



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