Product data sheet
Characteristics

ABL8RED24400
redundancy module, phaseo ABL7 ABL8, 40A, for regulated SMPS



Main

Range of product	Phaseo
Product or component type	Redundancy module
Input voltage	24...28.8 V DC
Output voltage	(Uin-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	For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 10 mm² 20 AWG For input connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm² 20 AWG. For diagnostic relay: removable screw terminal block, connection capacity: 1 x 2.5 mm² 14 AW
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	2000 m
Marking	CE
Name of test	Electrostatic discharges conforming to IEC 61000-4-2 Emission conforming to IEC 61000-6-3 Induced electromagnetic field conforming to IEC 61000-4-6 level 3 Radiated electromagnetic field conforming to IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Surge conforming to 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 input (green) for power supply status 1 relay for power supply status
Net weight	0.7 Kg

Environment

Product certifications	EAC[RETURN]RCM
Standards	CSA C22.2 No 60950-1 UL 508
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…85 °C
Environmental characteristic	EMC conforming to IEC 61000-6-3 EMC conforming to IEC 61000-6-2 Safety conforming to IEC 60950-1 Safety conforming to EN/IEC 61204
IP degree of protection	IP20 conforming to 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
MTBF reliability	2488391 H at 24 V DC with UTE C80-810 calculation method
Vibration resistance	2 gn (f= 11.9…150 Hz) conforming to IEC 61131-2 3.5 mm (f= 3…11.9 Hz) conforming to IEC 61131-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.000 Cm
Package 1 Width	16.800 Cm
Package 1 Length	16.600 Cm
Package 1 Weight	630.000 G
Unit Type of Package 2	S06
Number of Units in Package 2	80
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	65.160 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	A510c661-ab71-4b35-aa55-069b0716f9fc
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. announced