



Main

Commercial Status	Commercialised
Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	200...500 V AC phase to phase, terminal(s): L1-L2 100...120 V AC single phase, terminal(s): N-L1
Output voltage	24 V DC
Rated power in W	120 W
PFC filter	With PFC filter conforming to IEC 61000-3-2
Power supply output current	5 A
Output protection type	Thermal, protection technology: automatic reset Against undervoltage, protection technology: tripping if U < 21.6 V Against short-circuits, protection technology: manual or automatic reset Against overvoltage, protection technology: 30...32 V, manual reset Against overload, protection technology: manual or automatic reset

Complementary

Input voltage limits	170...550 V 85...132 V
Network frequency	47...63 Hz
Inrush current	<= 30 A for 2 ms
Cos phi	0.59 at 120 V 0.51 at 240 V
Efficiency	87...100 %
Output voltage limits	24...28.8 V adjustable
Power dissipation in W	15.5 W
Line and load regulation	1...3 %
Residual ripple	<= 200 mV
Holding time	>= 40 ms at 240 V >= 20 ms at 100 V >= 120 ms at 400 V
Permissible temporary current boost	1.5 x I _n for 4 s
Connections - terminals	Screw type terminals for output ground connection, connection capacity: 1 x 0.5...1 x 4 mm ² AWG gauge22...12 Screw type terminals for output connection, connection capacity: 4 x 0.5...4 x 4 mm ² AWG gauge22...12 Screw type terminals for input ground connection, connection capacity: 1 x 0.5...1 x 4 mm ² AWG gauge22...12 Screw type terminals for input connection, connection capacity: 3 x 0.5...3 x 4 mm ² AWG gauge22...12 Removable screw terminal block for diagnostic relay, connection capacity: 2 x 2.5 mm ²
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail

Operating position	Vertical
Output coupling	Parallel Series
Name of test	Surge conforming to EN/IEC 61000-4-5 Rapid transient conforming to IEC 61000-4-4 Radiated emissions conforming to EN 55022 Class B Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Primary outage conforming to IEC 61000-4-11 Magnetic field conforming to EN 61000-4-8 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Harmonic current emission conforming to EN/IEC61000-3-2 Electrostatic discharges conforming to EN/IEC 61000-4-2 Conducted emissions on the power line conforming to EN 55022 Class B
Status LED	1 LED green, red and orange for output current 1 LED green and red for output voltage
Depth	6.1 in (155 mm)
Height	5.63 in (143 mm)
Width	6.5 in (165 mm)
Product weight	1.54 lb(US) (0.7 kg)

Environment

Product certifications	CCSAus C-Tick UL
Environmental characteristic	Safety conforming to SELV Safety conforming to EN/IEC 61204-3 Safety conforming to EN/IEC 60950-1 EMC conforming to EN/IEC 61204-3 EMC conforming to EN/IEC 61000-6-4 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN 61000-6-3 EMC conforming to EN 61000-6-1
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Relative humidity	0...95 % in storage 0...90 % during operation
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	500 V between output and ground 4000 V between input and output 3500 V between input and ground

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIES
Discount Schedule	CP12
GTIN	00785901593683
Nbr. of units in pkg.	1
Package weight(Lbs)	1.88
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

Contractual warranty

Period	18 months
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