



### 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	240 W
PFC filter	With PFC filter conforming to IEC 61000-3-2
Power supply output current	10 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	$\leq 30$ A for 2 ms
Cos phi	0.69 at 120 V 0.68 at 240 V
Efficiency	$> 87$ %
Output voltage limits	24...28.8 V adjustable
Power dissipation in W	31 W
Line and load regulation	1...3 %
Residual ripple	$\leq 200$ mV
Holding time	$\geq 40$ ms at 240 V $\geq 20$ ms at 100 V $\geq 120$ ms at 400 V
Permissible temporary current boost	$1.5 \times I_n$ for 4 s
Connections - terminals	Screw type terminals for output ground connection, connection capacity: 1 x 0.5...1 x 4 mm <sup>2</sup> AWG gauge22...12 Screw type terminals for output connection, connection capacity: 4 x 0.5...4 x 4 mm <sup>2</sup> AWG gauge22...12 Screw type terminals for input ground connection, connection capacity: 1 x 0.5...1 x 4 mm <sup>2</sup> AWG gauge22...12 Screw type terminals for input connection, connection capacity: 3 x 0.5...3 x 4 mm <sup>2</sup> AWG gauge22...12 Removable screw terminal block for diagnostic relay, connection capacity: 2 x 2.5 mm <sup>2</sup>
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/IEC 61000-3-2 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	2.2 lb(US) (1 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	00785901498964
Nbr. of units in pkg.	1
Package weight(Lbs)	3.58
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

## Contractual warranty

Period	18 months
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