



### Main

Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Rated power in W	72 W
Provided equipment	Power factor correction filter conforming to IEC 61000-3-2
Power supply output current	3 A
Output protection type	Against overload, protection technology: manual or automatic reset Against overvoltage, protection technology: 30...32 V, manual reset Against short-circuits, protection technology: manual or automatic reset Against undervoltage, protection technology: tripping if $U < 21.6$ V Thermal, protection technology: automatic reset
Ambient air temperature for operation	50...60 °C (with derating factor) -25...50 °C (without)

### Complementary

Input voltage limits	170...550 V 85...132 V
Network frequency	47...63 Hz
Inrush current	30 A 2 ms
Cos phi	0.51 at 240 V 0.59 at 120 V
Efficiency	87 %
Output voltage limits	24...28.8 V adjustable
Power dissipation in W	7.8 W
Line and load regulation	1...3 %
Holding time	$\geq 120$ ms at 400 V $\geq 20$ ms at 100 V $\geq 40$ ms at 240 V
Permissible temporary current boost	1.5 x In (for 4 s)
Connections - terminals	For input connection: screw type terminals, connection capacity: 3 x 0.5...3 x 4 mm <sup>2</sup> AWG 22...AWG 12 For input ground connection: screw type terminals, connection capacity: 1 x 0.5...1 x 4 mm <sup>2</sup> AWG 22...AWG 12 For output connection: screw type terminals, connection capacity: 4 x 0.5...4 x 4 mm <sup>2</sup> AWG 22...AWG 12 For output ground connection: screw type terminals, connection capacity: 1 x 0.5...1 x 4 mm <sup>2</sup> AWG 22...AWG 12
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail

Operating position	Vertical
Operating altitude	2000 m
Output coupling	Parallel Series
Name of test	Electrostatic discharges conforming to EN/IEC 61000-4-2 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Magnetic field conforming to EN 61000-4-8 Primary outage conforming to IEC 61000-4-11 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5 Conducted emissions on the power line conforming to EN 55022 class B Radiated emissions conforming to EN 55022 class B Harmonic current emission conforming to EN/IEC 61000-3-2
Status LED	1 LED (green and red)output voltage: 1 LED (green, red and orange)output current:
Depth	125 Mm
Height	125 Mm
Width	45 Mm
Product weight	0.3 Kg

## Environment

MTBF reliability	924000 H at 100 V AC with UTE C80-810 calculation method 900000 H at 200...500 V AC with UTE C80-810 calculation method
Product certifications	CCSAus EAC UL RCM KC
Standards	CSA C22.2 No 60950-1 UL 508
Environmental characteristic	EMC conforming to EN 61000-6-1 EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN/IEC 61000-6-4 EMC conforming to EN/IEC 61204-3 Safety conforming to EN/IEC 60950-1 Safety conforming to EN/IEC 61204-3 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...70 °C
Relative humidity	0...90 % during operation 0...95 % in storage
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	3500 V between input and ground 4000 V between input and output 500 V between output and ground

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

Contractual warranty

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Warranty	18 months
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Product Life Status : Commercialised
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