

Product datasheet

Specifications



rectified and filtered power supply - 3-phase - 400 V AC - 24 V - 30 A

Local distributor code: 389706766 ABL8TEQ24300

! To be discontinued on: 31 January 2023

! To be discontinued

Main

Range of product	Modicon Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	720 W
Nominal input voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output voltage	24 V DC
Power supply output current	30 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	UL 508 cULus KC EAC

Complementary

Network frequency limits	47...63 Hz
Input voltage limits	360...440 V
Power Factor	0.835 at 400 V
Efficiency	77 %
Power dissipation in W	165 W
Output coupling	Series Parallel
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 40 A
Hold-up time	7 ms
Status LED	1 LED (green) output voltage
Connections - terminals	For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm ² AWG 14...AWG 11 For input connection: screw type terminals, connection capacity: 9 x 2.5...9 x 4 mm ² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 10...4 x 16 mm ² AWG 8...AWG 6
Depth	247.0 mm
Height	107.0 mm
Width	240 mm

Net weight	13.24 kg
Compatibility code	ABL8T

Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	-20...55 °C
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % without condensation or dripping water
Operating altitude	3000 m
Safety class	Class I conforming to VDE 0106-1
Dielectric strength	2000 V between input and ground 4600 V between input and output 500 V between output and ground
Other environmental characteristic	EMC conforming to IEC 62041 Safety conforming to EN/IEC 61558-2-6 Safety conforming to UL 508 Safety conforming to UL 60950-1 EMC conforming to EN/IEC 61000-3-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	14.402 kg
Package 1 Height	25.7 cm
Package 1 width	34.8 cm
Package 1 Length	35.3 cm
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	66.108 kg
Package 2 Height	50.0 cm
Package 2 width	80.0 cm
Package 2 Length	60.0 cm

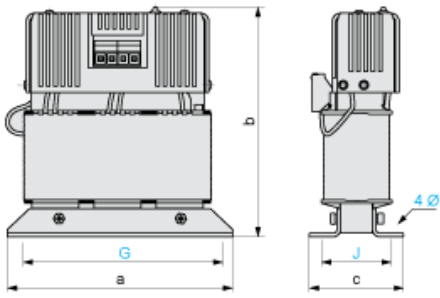
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions



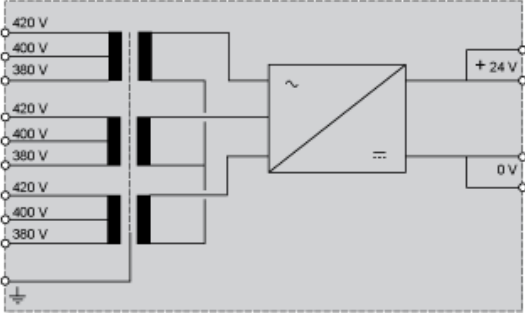
Dimensions in mm

a	b	c	G	J	Ø
240	252	108	220	87	8

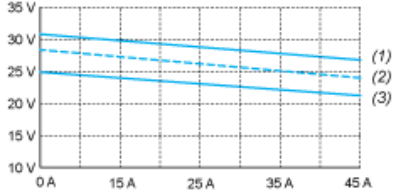
Dimensions in in.

a	b	c	G	J	Ø
9.45	9.92	4.25	8.66	3.42	0.31

Internal Wiring Diagram



Load Limits Curve



- (1) Nominal line supply + 10%
- (2) Nominal line supply
- (3) Nominal line supply - 10%