



Hovedkarakteristikk

Produktspekter	Phaseo
Produkt eller komponent type	Strømforsyning
Strømforsyningstype	Regulert switch mode
Forsyningsspenning	100...240 V AC phase to phase, terminal(s): L1-L2 100...240 V AC enkel fase, terminal(s): N-L1
Utgangsspenning	24 V DC
Merkeeffekt i W	60 W
Provided equipment	Power factor correction filter i henhold til IEC 61000-3-2
Verntype på inngang	Integret sikring (kan ikke skiftes)
Power supply output current	2.5 A
Verntype utgang	Against short-circuits Against undervoltage, protection technology: tripping if U < 19 V
Omgivelsestemperatur for drift	-25...55 °C without 55...70 °C with

Alternativer

Toleranse forsyningsspenning	170...264 V
Nettverksfrekvens	47...63 Hz
Startstrøm	90 A for 1 ms
Cos phi	0.5
Effektivitet	84 %
Toleranse utgangsspenning	22.2...28.8 V justerbart
Effekttap i W	11.4 W
Strømforbruk	0.7 A på 240 V
Forsynings og lastregulering	+/- 3 %
Diff rippel	200 mV
Holding time	>= 150 ms på 230 V
Tilkoblingsklemmer	Klemme med skruer for input connection, connection capacity: 2 x 0.14...2 x 2.5 mm ² AWG 26...AWG 14 Klemme med skruer for output connection, connection capacity: 4 x 0.14...4 x 2.5 mm ² AWG 26...AWG 14
Merking	CE
Montering	35 x 15 mm symmetrisk DIN skinne 35 x 7.5 mm symmetrisk DIN skinne Front 2 skruer, diameter 4 mm
Driftsposisjon	Vertikal
Operating altitude	2000 m
Utgangs sammenkobling	Parallell Serie
Testnavn	Conducted emissions on the power line i henhold til EN 55022 Class B Electrostatic discharges i henhold til EN/IEC 61000-4-2 Emission i henhold til EN 50081-1 Induced electromagnetic field i henhold til EN/IEC 61000-4-6 Primary outage i henhold til IEC 61000-4-11 Radiated electromagnetic field i henhold til EN/IEC 61000-4-3 Radiated emissions i henhold til EN 55022 Class B Rapid transient i henhold til IEC 61000-4-4 Surge i henhold til EN/IEC 61000-4-5 Harmonic current emission i henhold til EN/IEC 61000-3-2
Status LED	1 LED grønn for output voltage
Dybde	59 mm
Høyde	100 mm

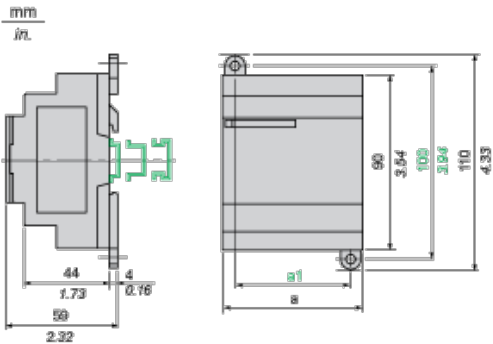
Bredde	74 mm
Vekt	0.255 kg

Miljø

produktsertifikater	CULus 508 TUV 60950-1 RCM EAC KC
standarder	UL 508 CSA C22.2 No 60950-1
miljødata	EMC i henhold til EN 55022 Class B EMC i henhold til EN 61000-6-3 EMC i henhold til EN/IEC 61000-6-2 EMC i henhold til EN/IEC 61204-3 Sikkerhet i henhold til EN/IEC 60950-1 Sikkerhet i henhold til SELV
IP-grad	IP20 i henhold til EN/IEC 60529
omgivelsestemperatur for lagring	-40...70 °C
relativ fuktighet	0...90 % during operation 0...95 % in storage
overspenningskategori	Class II i henhold til VDE 0106-1
dielektrisk styrke	Between input and output

Regulated Switch Mode Power Supplies

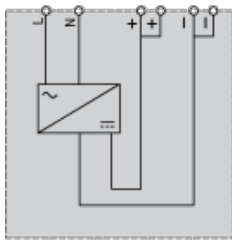
Dimensions



	a in mm	a in in.	a1 in mm	a1 in in.
ABL8MEM05040	54	2.12	42	1.65
ABL8MEM12020	54	2.12	42	1.65
ABL8MEM24003	36	1.41	24	0.94
ABL8MEM24006	36	1.41	24	0.94
ABL8MEM24012	54	2.12	42	1.65
ABL7RM24025	74	2.91	60	2.36

Regulated Switch Mode Power Supply

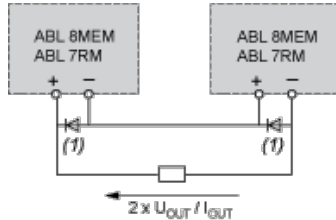
Internal Wiring Diagram



Regulated Switch Mode Power Supplies

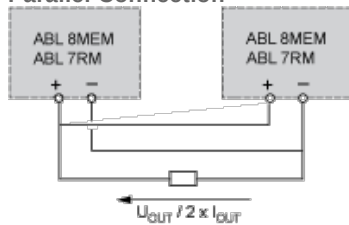
Series or Parallel Connection

Series Connection



(1) Two Schottky diodes I_{min} = power supply I_n and V_{min} = 50 V

Parallel Connection



Family	Series	Parallel
ABL 7RM/8MEM	2 products max.	2 products max.

NOTE: Series or parallel connection is only recommended for products with identical references.

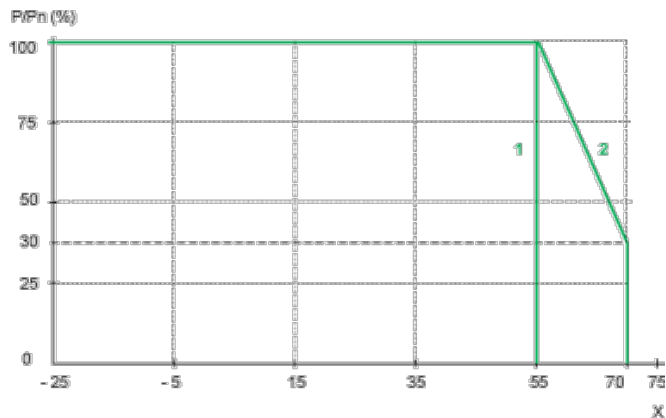
Regulated Switch Mode Power Supplies

Derating

The ambient temperature is a determining factor that limits the power an electronic power supply can deliver continuously. If the temperature around the electronic components is too high, their life will be significantly reduced.

The nominal ambient temperature for the Modular range of Phaseo power supplies is 55°C. Above this temperature, derating is necessary up to a maximum temperature of 70°C (except for the ABL7RM24025 model).

The graph below shows the power as a percentage of the nominal power that the power supply can deliver continuously, depending on the ambient temperature.



X Maximum operating temperature (°C)

(1) With an ABL7RM24025

(2) With an ABL8MEM.....