



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 110...220 V DC
Utgangsspenning	24 V DC
Merkeeffekt i W	72 W
Verntype på inngang	Integret sikring (kan ikke skiftes)
Power supply output current	3 A
Verntype utgang	Against overload, protection technology: 1.1 x In Against overvoltage, protection technology: tripping if U > 1.5 x Un Against short-circuits, protection technology: automatisk reset Against undervoltage, protection technology: tripping if U < 0.8 x Un
Omgivelsestemperatur for drift	0...50 °C without 50...60 °C with

Alternativer

Toleranse forsyningsspenning	100...250 V 85 - 264 V
Nettverksfrekvens	47...63 Hz
Startstrøm	30 A
Cos phi	0.65
Effektivitet	85 %
Toleranse utgangsspenning	100...120 % justerbart
Effekttap i W	12.7 W
Strømforbruk	0.83 A på 240 V 1.46 A på 100 V
Forsynings og lastregulering	+/- 3 %
Holding time	>= 10 ms på 100 V >= 10 ms på 240 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 input ground connection, connection capacity: 1 x 0.14...1 x 2.5 mm ² AWG 26...AWG 14 Klemme med skruer for output connection, connection capacity: 2 x 0.14...2 x 2.5 mm ² AWG 26...AWG 14 Klemme med skruer for output ground connection, connection capacity: 1 x 0.14...1 x 2.5 mm ² AWG 26...AWG 14
Merking	CE
Montering	35 x 15 mm symmetrisk DIN skinne 35 x 7.5 mm symmetriskDIN skinne 75 x 7.5 mm symetrisk DIN rail
Driftsposisjon	Vertikal
Operating altitude	2000 m
Utgangs sammenkobling	Parallell Serie
Testnavn	Conducted/radiated emissions i henhold til EN 55011 Conducted/radiated emissions 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

Denne dokumentasjonen inneholder generelle beskrivelser og / eller tekniske egenskaper ved ytelsen til produktene heri. Den skal ikke brukes til avgjørelse for egnethet eller pålitelighet av disse produktene til spesifikke brukerapplikasjoner. Det er brukers eller integrators plikt til å foreta den nødvendige risikoanalyse, evaluering og utprøving av produktet med hensyn til den relevante spesifikke anvendelse eller bruk. Hverken Schneider Electric Industries SAS, eller noen av de tilknyttede selskaper eller datterselskaper er ansvarlig for, eller henter for misbruk av innværende opplysninger.

Rapid transient i henhold til IEC 61000-4-4
Surge i henhold til EN/IEC 61000-4-5

Status LED	1 LED grønn for output voltage 1 LED Orange for input voltage
Dybde	120 mm
Høyde	120 mm
Bredde	27 mm
Vekt	0.52 kg

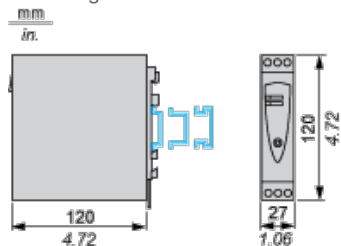
Miljø

produktsertifikater	CSA 22-2 No 950 UL EAC KC
standarder	UL 508 CSA C22.2 No 60950-1
miljødata	EMC i henhold til EN 50081-1 EMC i henhold til EN 50082-2 EMC i henhold til EN/IEC 61000-6-2 Sikkerhet i henhold til EN/IEC 60950 Sikkerhet i henhold til SELV
IP-grad	IP20 i henhold til EN/IEC 60529
omgivelsestemperatur for lagring	-25...70 °C
relativ fuktighet	0...95 % uten kondensering eller dryppvann
overspenningskategori	Class I i henhold til VDE 0106-1
dielektrisk styrke	Between input and ground Between output and ground Between input and output Between outputs
MTBF reliability	115104 H at 110 V AC with MIL-HDBK-217F calculation method 116354 H at 220 V AC with MIL-HDBK-217F calculation method

Regulated Switch Mode Power Supply

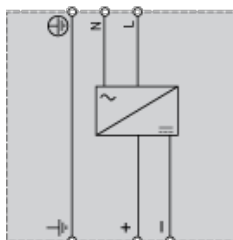
Dimensions and Mounting

Mounting on a 35 mm/1.37 in. or 75 mm/2.95 in. Rail



Regulated Switch Mode Power Supply

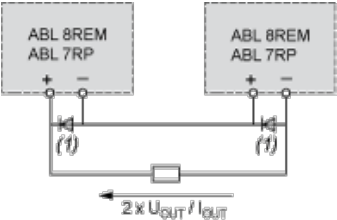
Internal Wiring Diagram



Regulated Switch Mode Power Supplies

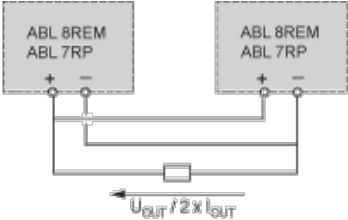
Series or Parallel Connection

Series Connection



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

Parallel Connection



Family	Series	Parallel
ABL 8REM/7RP	2 products max.	2 products max.

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

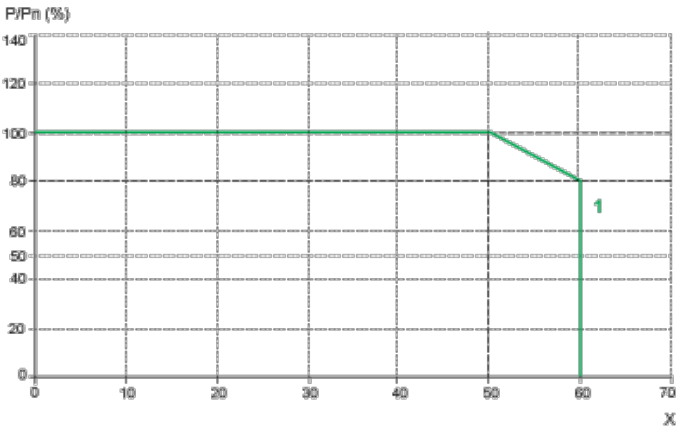
Regulated Switch Mode Power Supplies

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 Optimum range of Phaseo power supplies is 50 °C. Above this temperature, derating is necessary up to a maximum temperature of 60 °C.

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)

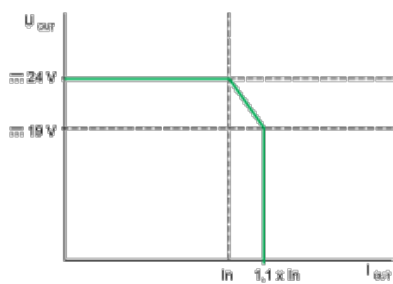
(1) ABL 8REM, ABL 7RP mounted vertically

Derating should be considered in extreme operating conditions:

- Intensive operation (output current permanently close to the nominal current, combined with a high ambient temperature)
- Output voltage set above 24 Vdc (to compensate for line voltage drops, for example)
- Parallel connection to increase the total power

Regulated Switch Mode Power Supply

Load Limit



Regulated Switch Mode Power Supply

Temporary Overloads

