Produktdatablad

Spesifikasjoner

Strømforsyning 24VDC 20A 1f

El-nummer:

6601436 ABL8RPM24200

EAN: 3389119405638

Produktdata

Produktspekter	Modicon Power Supply
Produkt eller type komponent	Strømforsyning
Type strømforsyning	Regulert switch mode
Nominal input voltage	100...120 V AC enfase, fane(r): N-L1 200 - 240 V AC fase til fase, fane(r): L1-L2
Nominell effekt i W	480 W
Utgangsspenning	24 V DC
strømforsyningens utgangsstrøm	20 A
tillatt korttidstrøm	1.5 x In (i 4 s)
antiharmonisk filter	Lavfrekvente overharmoniske

Teknisk data

toleranse forsyningsspenning	85...132 V AC 170...264 V AC
startstrøm	30 A
18 mm avstand	0,68 at 240 V AC 0,69 at 120 V AC
effektivitet	88 %
Output voltage adjustment	24...28.8 V justerbar
Effekttap i W	57,6 W
inkludert utstyr	Effektfaktor filter i samsvar med IEC 61000-3-2
verntype utgang	Mot overlast, protection technology: manuell eller automatisk reset Mot overspenning, protection technology: 30...32 V, manuell reset Mot kortsluttning, protection technology: manuell eller automatisk reset Mot underspenning, protection technology: utkobling hvis U < 21.6 V Termisk, protection technology: automatisk reset
tilkoblingsklemmer	Demonterbar blokk med skruklemmer: 2 x 2,5 mm², for diagnostisk relé Klemme med skruer: 3 x 0.5...3 x 4 mm², (AWG 22...AWG 12) for tilkobling inngang Klemme med skruer: 1 x 0.5...1 x 4 mm², (AWG 22...AWG 12) for jordtilkobling inngang Klemme med skruer: 4 x 0.5...4 x 4 mm², (AWG 22...AWG 12) for tilkobling utgang
status LED	1 LED (grønn og rød) utgangsspenning 1 LED (Grønn, rød og orange) utgangsstrøm
Dybde	145 mm
Høyde	125 mm
Bredde	146 mm
Vekt	1,6 kg

Utgangs sammenkobling	Serie Parallell
Merking	CE
Monteringssupport	35 x 7.5 mm symmetriskDIN skinne 35 x 15 mm symmetrisk DIN skinne
Driftsposisjon	Vertikal
Forsyning	SELV i samsvar med IEC 60950-1 SELV i samsvar med IEC 60204-1 SELV i samsvar med IEC 60364-4-41
dielektrisk styrke	2500 V med between input and ground issolasjon 3000 V med between input and output issolasjon 500 V med between output and ground issolasjon

Miljø

Standarder	CSA C22.2 No 60950-1 UL 508 EN/IEC 62368-1
produktsertifikater	CCSAus EAC KC RCM UL
Miljødata	EMC conforming to IEC 61000-6-1 EMC conforming to IEC 61000-6-3 EMC conforming to EN 55024 EMC conforming to IEC 61000-6-4 EMC conforming to EN/IEC 61204-3 Sikkerhet conforming to IEC 60950-1 Sikkerhet conforming to EN/IEC 61204-3
Driftshøyde	2000 m
IP-grad	IP20 i samsvar med IEC 60529 IP10
ambient air temperature for operation	50…60 °C med belastningsfaktor mounting position A < 2000 m −25…50 °C uten lastreduksjon mounting position A < 2000 m

Forpakningsinformasjon

Enhetstype pakke 1	PCE
Antall enheter i pakke 1	1
Pakke 1 Høyde	20,000 cm
Pakke 1 Bredde	18,500 cm
Pakke 1 Vekt	19,500 cm
Package 1 Weight	2,811 kg
Enhetstype pakke 2	P06
Antall enheter i pakke 2	36
Pakke 2 Høyde	75,000 cm
Pakke 2 Bredde	60,000 cm
Pakke 2 Lengde	80,000 cm
Pakke 2 Vekt	114,956 kg

Logistikkinformasjon

Opprinnelsesland	PH

Garantiperiode

Garanti	18 months

Environmental Data

Schneider Electric tar sikte på å oppnå Net Zero-status innen 2050 gjennom partnerskap med leverandørkjeden, materialer med lavere slagkraft og sirkularitet via vår pågående "Use Better, Use Longer, Use Again"-kampanje for å forlenge produktlevetiden og resirkulerbarheten.

Environmental Data forklart >

Hvordan vi vurderer produktets bærekraft >

Miljøfotavtrykk

PEP (Product Environmental Profile)	Produktmiljøprofil

Use Better

Materialer og emballasje

Emballasje med resirkulert papp	Nei
Emballasje uten plast	Nei
EU RoHS-direktiv	Proaktivt i samsvar (Produktet inngår ikke i EUs RoHS direktivet)
SCIP-nummer	C433dc09-2f7b-4231-a331-94ae03569bc6
REACh-regelverk	REACh-erklæring
PVC-fri	Ja

Use Again

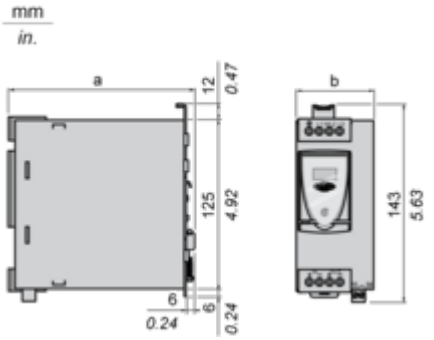
Ompakking og reproduksjon

Produktets livssyklus	Informasjon om levetidsslutt
Tilbaketakning	No
WEEE Label	Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall.

Dimensions Drawings

Regulated Switch Mode Power Supplies

Dimensions

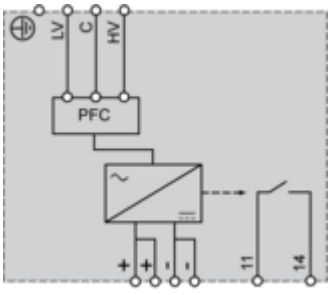


ABL 8	a in mm	a in in.	b in mm	b in in.
RPS24030	125	4.92	45	1.77
RPS24050	125	4.92	56	2.20
RPS24100	145	5.71	86	3.39
RPM24200	145	5.71	146	5.75
WPS24200	160	6.30	96	3.78
WPS24400	160	6.30	166	6.54

Connections and Schema

Regulated Switch Mode Power Supply

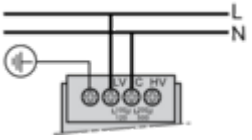
Internal Wiring Diagram



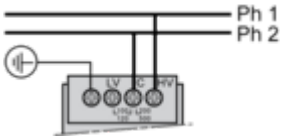
Regulated Switch Mode Power Supply

Line Supply Wiring Diagram

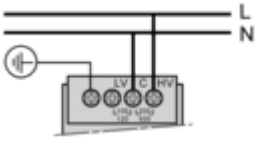
Single-phase (L-N) 100 to 120 V



Phase-to-phase (L1-L2) 200 to 500 V



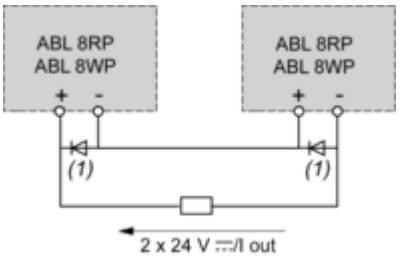
Single-phase (L-N) 200 to 500 V



Regulated Switch Mode Power Supplies

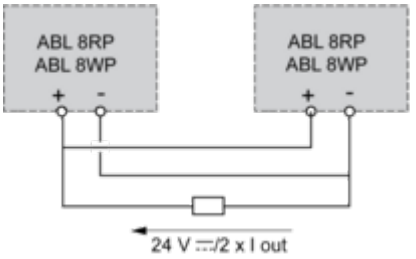
Series or Parallel Connection

Series Connection



(1) Two Shottky diodes Imin = power supply In and Vmin = 50 V

Parallel Connection



Family	Series	Parallel
ABL 8RPS/8RPM/8WPS	2 products max. (1)	2 products max.

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

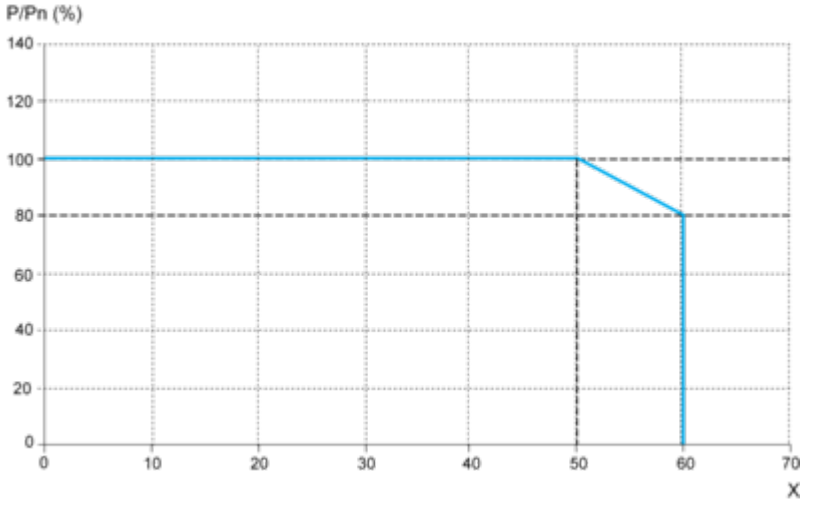
For better availability, the power supplies can also be connected in parallel using the **ABL8RED24400** Redundancy module.

Performance Curves

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 Universal 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 (in relation to the nominal power) that the power supply can deliver continuously, depending on the ambient temperature.



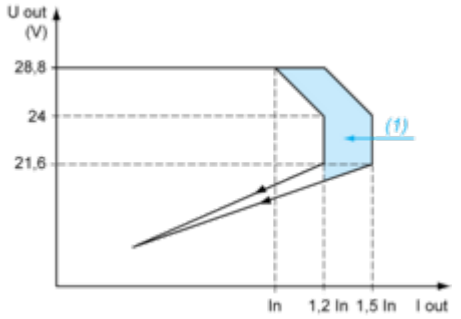
X Maximum operating temperature (°C)
ABL 8RPM, ABL 8RPS, ABL 8WPS mounted vertically
Derating should be considered in extreme operating conditions:

- 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

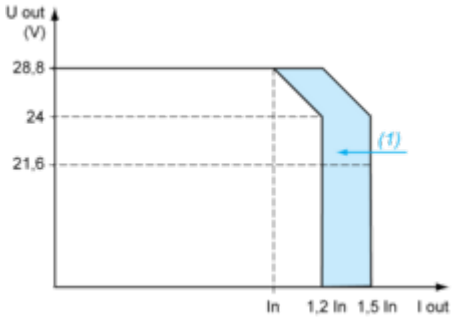
Load Limit

Manual Reset Protection Mode



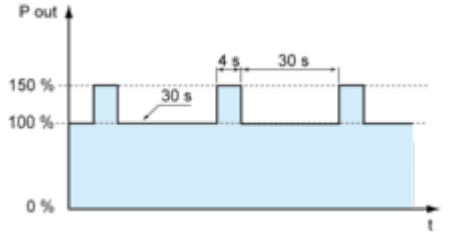
(1) Boost 4s

Automatic Reset Protection Mode



(1) Boost 4s

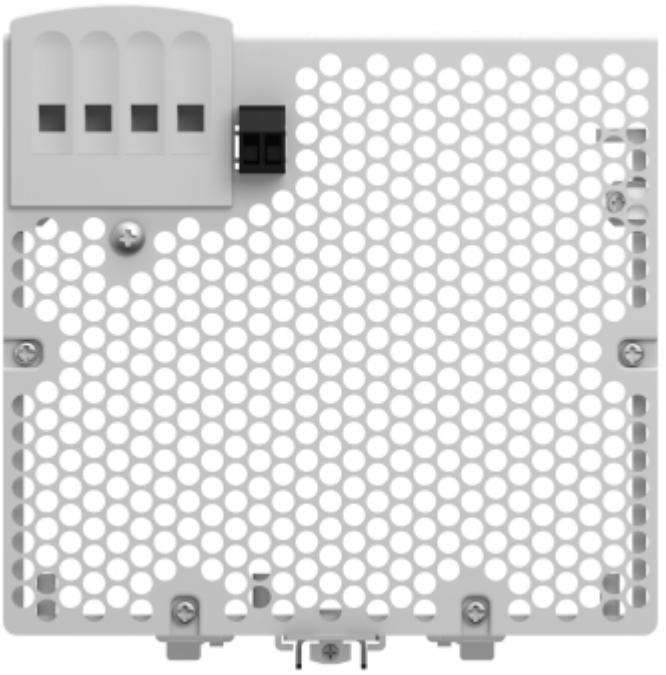
“Boost” Repeat Accuracy

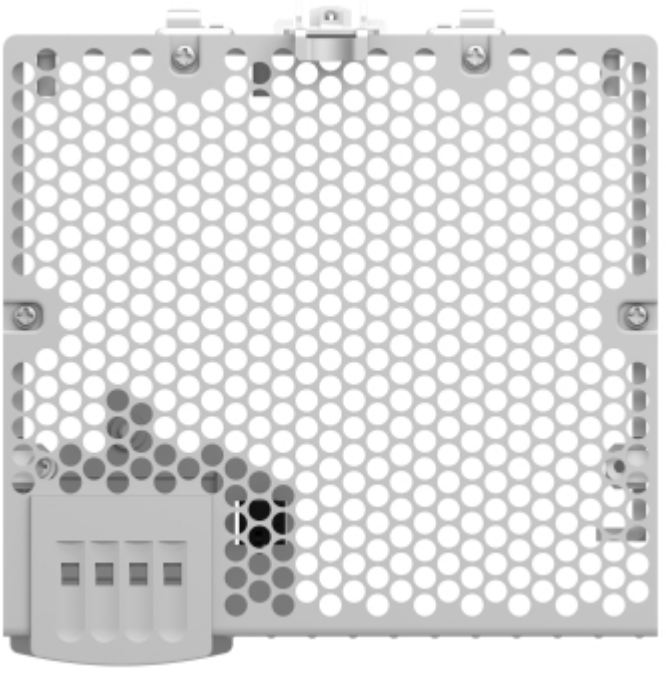


This type of operation is described in detail in the user manual, which can be downloaded from the website.

Image of product / Alternate images

Alternative






Schneider Electric
ABL8RPM24200
24VDC-20A
AUTO
MANU
24V
28.8V


Schneider Electric
Modicon ABL8 RPM24200