Produktdatablad

Spesifikasjoner



Strømforsyning 24VDC 3A 1fase

El-nummer:

6601437 ABL8RPS24030

EAN: 3389119405607

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...500 V AC fase til fase, fane(r): L1-L2
Nominell effekt i W	72 W
Utgangsspenning	24 V DC
strømforsyningens utgangsstrøm	3 A
tillatt korttidstrøm	1.5 x In (i 4 s)
antiharmonisk filter	Lavfrekvente overharmoniske

Teknisk data

toleranse forsyningsspenning	170...550 V AC 85...132 V AC
startstrøm	30 A
18 mm avstand	0,51 at 240 V AC 0,59 at 120 V AC
effektivitet	87 %
Output voltage adjustment	24...28.8 V justerbar
Effekttap i W	7,8 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	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 Klemme med skruer: 1 x 0.5...1 x 4 mm², (AWG 22...AWG 12) for jordtilkobling utgang
status LED	1 LED (grønn og rød) utgangsspenning 1 LED (Grønn, rød og orange) utgangsstrøm
Dybde	125 mm
Høyde	125 mm
Bredde	45 mm
Vekt	0,3 kg

Ansvarsfraskrivelse: Dokumentasjonen erstatter ikke opplysninger om produktene, og skal ikke brukes til å fastslå produktenes egnethet eller driftssikkerhet for bestemte bruksområder.

Utgangs sammenkobling	Parallell Serie
Merking	CE
Monteringssupport	35 x 15 mm symmetrisk DIN skinne 35 x 7.5 mm symmetriskDIN 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	3500 V med between input and ground issolasjon 4000 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 UL RCM KC
Miljødata	EMC conforming to IEC 61000-6-1 EMC conforming to IEC 61000-6-3 EMC conforming to IEC 61000-6-2 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
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	6,500 cm
Pakke 1 Bredde	16,500 cm
Pakke 1 Vekt	14,500 cm
Package 1 Weight	776,000 g
Enhetstype pakke 2	P06
Antall enheter i pakke 2	120
Pakke 2 Høyde	75,000 cm
Pakke 2 Bredde	60,000 cm
Pakke 2 Lengde	80,000 cm
Pakke 2 Vekt	106,120 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	974297e5-68e4-4a61-9a40-1443e8973a60
REACh-regelverk	REACh-erklæring
PVC-fri	Ja

Use Again

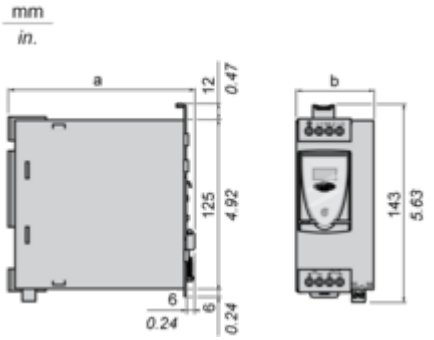
Ompakking og reproduksjon

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

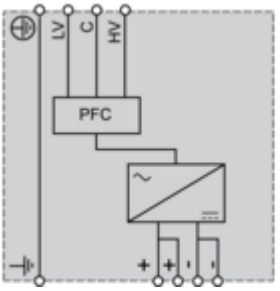


ABL 8	a in mm	a in in.	b in mm	b in in.
RPS24030	125	4.92	45	1.77
RPS24050	125	4.92	56	2.20
RPS24100	145	5.71	86	3.39
RPM24200	145	5.71	146	5.75
WPS24200	160	6.30	96	3.78
WPS24400	160	6.30	166	6.54

Connections and Schema

Regulated Switch Mode Power Supply

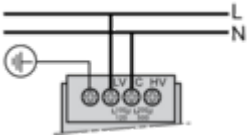
Internal Wiring Diagram



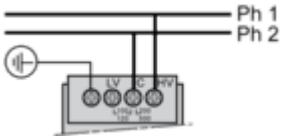
Regulated Switch Mode Power Supply

Line Supply Wiring Diagram

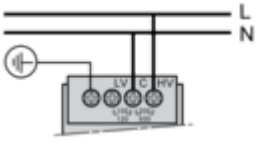
Single-phase (L-N) 100 to 120 V



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



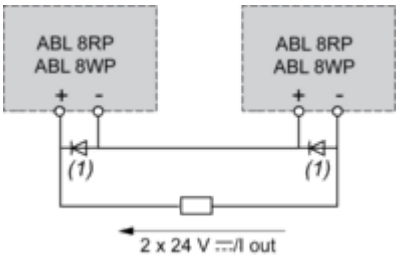
Single-phase (L-N) 200 to 500 V



Regulated Switch Mode Power Supplies

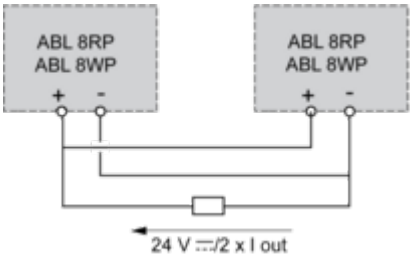
Series or Parallel Connection

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.

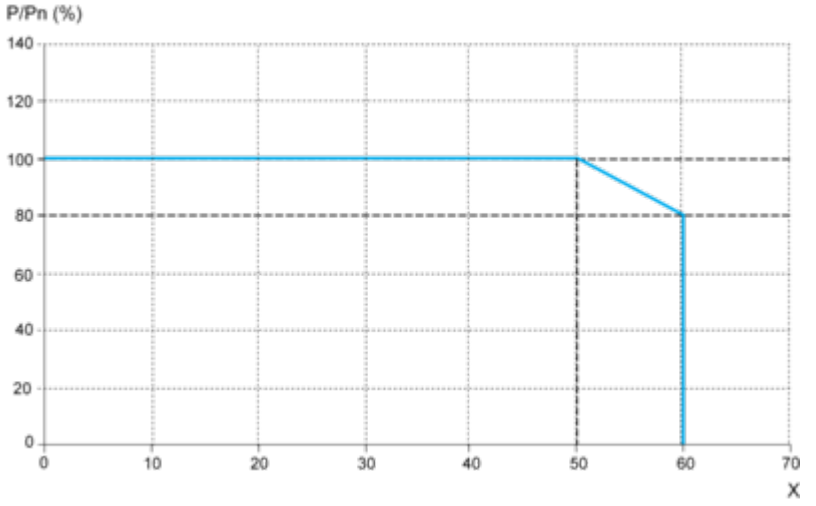
For better availability, the power supplies can also be connected in parallel using the **ABL8RED24400** Redundancy module.

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.



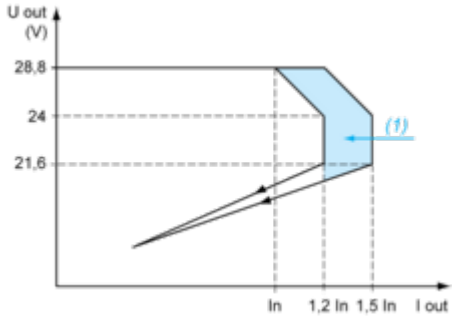
X Maximum operating temperature (°C)
ABL 8RPM, ABL 8RPS, ABL 8WPS mounted vertically
Derating should be considered in extreme operating conditions:

- 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

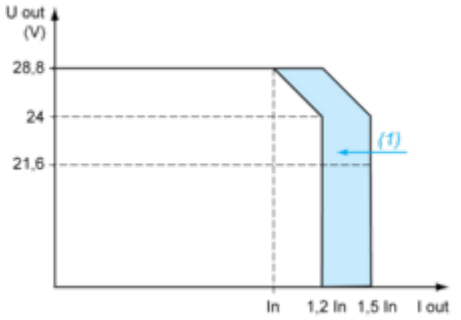
Load Limit

Manual Reset Protection Mode



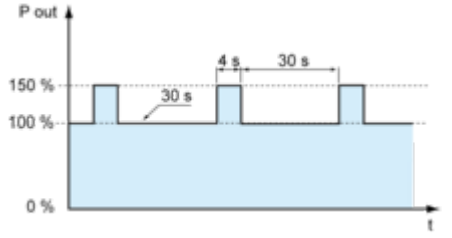
(1) Boost 4s

Automatic Reset Protection Mode



(1) Boost 4s

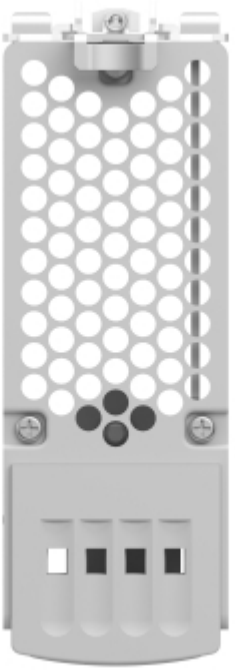
“Boost” Repeat Accuracy

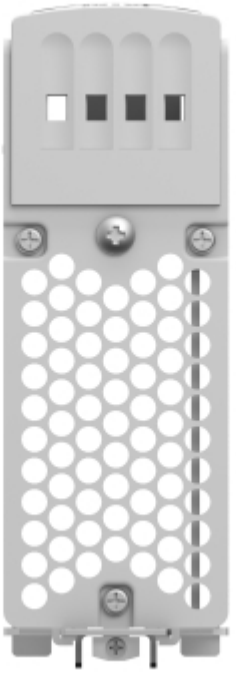


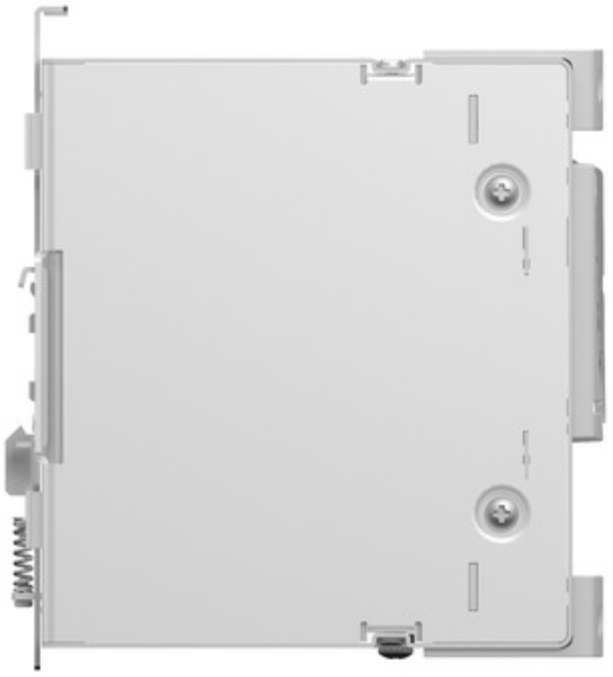
This type of operation is described in detail in the user manual, which can be downloaded from the website.

Image of product / Alternate images

Alternative








Schneider Electric
ABL8RPS24030
24VDC-3A
AUTO
MANU
24V
28.8V


Schneider Electric
Modicon ABL8 RPS24030
INPUT :
OUTPUT :

