

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	Phaseo
Product or component type	Buffer module
Input voltage	24...28.8 V DC
Output voltage	(U _{in} -0.25) V in nominal mode DC (U _{in} -1) V in buffer mode DC
Maximum output current	40 A
Holding time	0.1 sat 40 A 6 sat 0.5 A

Complementary

Input voltage limits	22...30 V
Current consumption	0.1 mA, no load ≤ 40.6 A 0.6 A, on load
Charging time	25 h
Power dissipation in W	≤ 15 W
Activation threshold	(U _{in} -1) V and 22 V min
Number of output channels	1
Output protection type	Against overload, protection technology: > 45 A Against short-circuits, protection technology: power-supplied mode, automatic re-set Against undervoltage, protection technology: tripping if U < 19 V
Connections - terminals	Screw type terminals input connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Screw type terminals output connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Removable screw terminal block diagnostic relay, connection capacity: 1 x 2.5 mm ² AWG 14
Fixing mode	By clips on 35 mm symmetrical DIN rail, operating position: horizontal By clips on 35 mm symmetrical DIN rail, operating position: vertical
Output coupling	Parallel
Operating altitude	6561.68 ft (2000 m)
Marking	CE
Name of test	Conducted/Radiated emissions conforming to EN 55022 Class B, 20 % derating factor Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 61000-6-3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 level 3 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Surge conforming to EN/IEC 61000-4-5 level 2
Local signalling	1 relay, function: buffer ready 1 LED green, function: buffer ready
Product weight	2.65 lb(US) (1.2 kg)

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Environment

IP degree of protection	Conforming to EN/IEC 60529
Ambient air temperature for operation	-13...140 °F (-25...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	0...90 % during operation 0...95 % during storage
Overvoltage category	Class II conforming to VDE 0106-1
Vibration resistance	3.5 mm (f = 3...11.9 Hz) conforming to EN/IEC 61131-2 2 gn (f = 11.9...150 Hz) conforming to EN/IEC 61131-2
Dielectric strength	500 V between input and ground 500 V between output and ground
Product certifications	RCM EAC
Standards	UL 508 CSA C22.2 No 60950-1
Environmental characteristic	EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN/IEC 60950-1 Safety conforming to EN/IEC 61204-3

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	00785901483359
Nbr. of units in pkg.	1
Package weight(Lbs)	3
Returnability	N
Country of origin	PH

Offer Sustainability

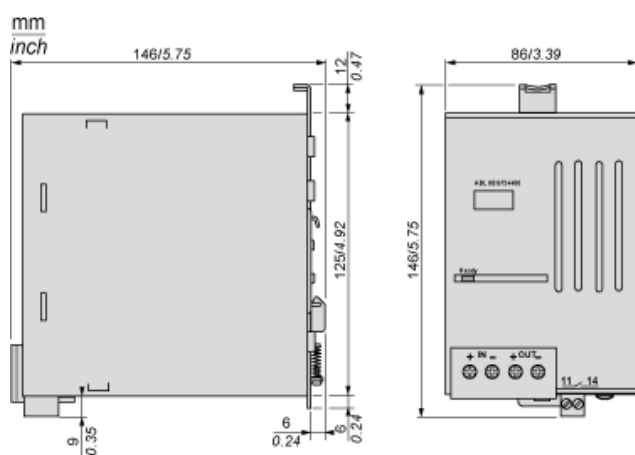
RoHS (date code: YYWW)	Compliant - since 0501 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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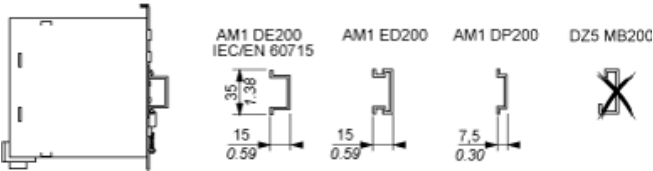
24...28.8 Vdc/40 A Power Supply Buffer Module

Dimensions



24...28.8 Vdc/40 A Power Supply Buffer Module

Mounting



Wiring Requirements

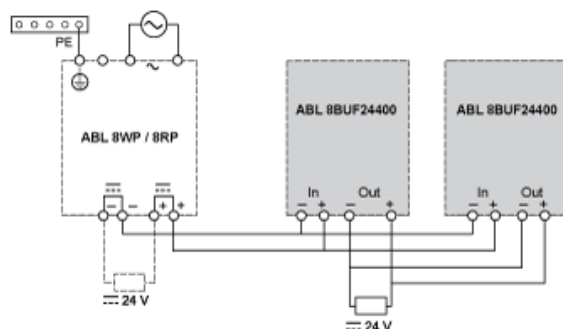
Cable Types and Wire Sizes

mm in			ABL	8RPS24030	8RPS24050 8RPS24100	8RPM24200 8WPS24200/24400
Ø ≤ 4 mm² Ø ≤ 12 AWG		Ø > 4 mm² Ø > 12 AWG				
+ In –	mm²/AWG			1...4 / 16...12		
+ Out –	mm²/AWG			1...4 / 16...12	4...10 / 12...6	
	mm/in			4 / 0.16		
11...14	mm²/AWG			–	0.2...2.5 / 24...14	

Paralleling Power Supply Buffer Modules

Wiring Diagram

Two outputs of buffer modules at maximum can be connected in parallel.



Supply by R/C (NMTR2, NMTR8), (E164867), Model ABL8 series.

Mouser Electronics

Authorized Distributor

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