




Product information RPS90/48V HV

Industrial Ethernet: System Accessories: Power supply: RPS90/48V HV

<https://e-catalog.beldensolutions.com:443/link/57078-24455-24544-24545-40993/en/conf/ui/istate>

Name	RPS90/48V HV
	
	48 V DC rail power supply unit
Delivery informations	
Availability	available
Product description	
Description	48 V DC rail power supply unit
Type	RPS90/48V HV
Order No.	943 979-001
More Interfaces	
Voltage input	1 terminal block, 3-pin
Voltage output	1 terminal block, 4-pin
Power requirements	
Operating voltage	60 / 120 / 250 V DC (48-320 V) und 110 / 230 V AC
Input data	
Input voltage	100-240 V AC; 50-60 Hz oder 85 bis 264 V AC; 47-63 Hz (DC 100-375 V)
Current consumption	
Current consumption	60 V DC (1.7 A), 250 V DC (0.4 A), 110 V AC (1.0 A), 230 V AC (0.5 A)
Activation current	N/A
Output data	
Output voltage	48 - 54 V DC (typ. 48 V); externally adjustable
Output current	
Output current	1.9 A static at 48 V nominal
Service	
Diagnostics	LED (green)
Redundancy	
Redundancy functions	redundant power supply
Ambient conditions	
Operating temperature	-40 °C bis +50 °C
Storage/transport temperature	-40 °C bis +85 °C
Relative humidity (non-condensing)	max. 95 % without condensation
MTBF	1 844 059 h (according to MIL-HDBK-217 Ausgabe F Notice 2)
Mechanical construction	
Dimensions (W x H x D)	60 mm x 137 mm x 115 mm
Mounting	DIN Rail
Weight	740 g
Protection class	IP 30
EMC interference immunity	
EN 50082-1	EN 61000-6-1
EN 50082-2	EN 61000-6-2 (including EN 55024), EN 61850-3, IEC 61000-3-2, EN 50121-4, 50121-3-2, GL (pending)
EMC emitted immunity	
EN 50081-1	61000-6-3
EN 50081-2	61000-6-4, EN 55011, EN 55022 Klasse A, GL (pending), Netzrückwirkungen gemäß EN 61000-3-2
Approvals	
Safety of industrial control equipment	cUL 508 (pending)
Safety of information technology equipment	cUL 60950-1 (pending)
Shipbuilding	Germanischer Lloyd, ABS



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Substation	IEC 61850-3, IEEE 1613
Scope of delivery and accessories	
Scope of delivery	Rail Power Supply, Description and operating manual, 1 x terminal block, 3-pin, 1 x terminal block, 4-pin

For more information please contact:

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