Data sheet

16181.2 PSPM 230/24-2A

Primary clocked power supply, Push-In connection, Mounting type: Mounting rail TS 35, Input: 1-phase, Output: 24 VDC/2 A

Business data

Article number	16181.2
Article name	PSPM 230/24-2A
GTIN (EAN)	4044211184551
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	215 g
Weight per piece (including packaging)	250 g
Unit of weight	G
Customs number	85043180
Country of origin	DE
Product description	DC power supply

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Technical data

Dimensions

Length	45 mm
Width	90 mm
Height TS 35/7.5	97.5 mm
Required minimum clearance (top/bottom)	50 mm

Ratings

Nominal input voltage	100 V
Nominal input voltage AC max.	230 V
Rated output voltage	24 ±1 % V
Input current at rated load	0,73 A
Input current at max. nominal input voltage	0,37 A
Power loss for rated load	6 W
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Mains failure bridging time at rated load and min. nominal input voltage	20 ms
Mains failure bridging time at rated load and max. nominal input voltage	120 ms
Switch-on time at rated load and min. nominal input voltage	0.5 s
Switch-on time at rated load and max. nominal input voltage	0,27 s
Contamination degree	2

Connection data

Connection principle	Push-in connection
Wire cross-section single core (rigid), min.	0.2 mm²
Wire cross-section single-core (rigid), max.	4 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	2.5 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm²
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm²
Stripping length	10 mm

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Input data

Input voltage derating	-2,5 %
Inrush current limit	<30 A, NTC
Recommended circuit breaker	6, 10, 16 (B,C) A

Output data

Output voltage DC min.	23 V
Output voltage DC max.	28,5 V
Internal overvoltage protection (OVP), max.	37 VDC
Output current	2 A
Output current limitation	2,2 A
Residual ripple at rated load	20 mVss
Can be wired in series	✓
Can be switched in parallel	✓
Feedback resistance, max.	35 VDC

Materials

Working temperature, min.	-25 °C
Working temperature, max.	70 °C
Relative humidity, min.	30 %
Relative humidity, max.	85 %

Further technical data

Protection class	IP20
Storage temperature, min.	-25 °C
Storage temperature, max.	85 °C
Efficiency	89 %
Convection cooling	✓
Signal display DC OK	LED, green (Uout > 21.5 V)
Transient overvoltage protection	Varistor
Derating at K > 50 °C	-3 %
Power loss at no load	<1 W
Power loss, max.	7 W (100 VAC / 24 V / 2 A)
Signal output DC OK	Open collector (Uout > 21.5 V max. 20 mA @ 24 VDC)

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Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

Standards and regulations

CE compliant	yes
EMC	EN 61204-3
Safety	EN 61558-2-16, EN 60950-1
Protective low voltage (SELV/PELV)	IEC 60364-4-41 (DIN VDE 0100-410)

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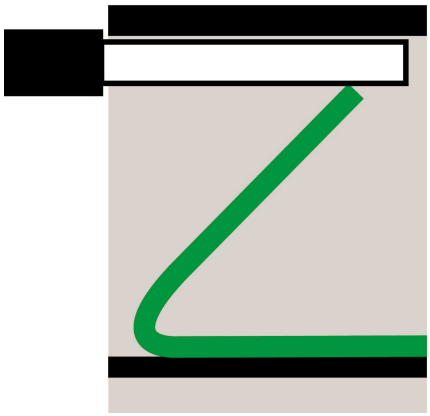
Media



Accessories