

16180.2
PSPM 230/24-1A
PSPM 230/24-1A



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

Business data

Product description	DC power supply
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	131
Weight per piece (including packaging)	168
Unit of weight	G
Customs number	85043180
Country of origin	EEC

16180.2

PSPM 230/24-1A

PSPM 230/24-1A

Technical Data

Dimensions

Length	22.5 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	0,43 A
Input current at max. nominal input voltage	0,2 A
Power loss for rated load	4 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	2,3 s
Switch-on time at rated load and max. nominal input voltage	0,74 s
Contamination degree	2

Connection data

Connection principle	Push-in connection
Wire cross-section single core (rigid), min.	0.2 mm ²
Wire cross-section single-core (rigid), max.	4 mm ²
Wire cross-section stranded, min.	0.2 mm ²
Wire cross-section stranded, max.	2.5 mm ²
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm ²

© CONTA-CLIP Verbindungstechnik GmbH | Otto-Hahn-Str. 7 | D-33161 Hövelhof

Fon: +49 (0) 52 57 98 33-0 | Fax: +49 (0) 52 57 98 33-33 | E-Mail: info@conta-clip.de | conta-clip.de

Creation date 08.06.2020 11:25:54

Subject to technical modifications

Connection data Datasheet



Wire cross-section stranded with wire-end ferrules,
max:

2.5 mm²

Stripping length

10 mm

Input data

Input voltage derating

-2,5 %

Technical Data

Inrush current limit

<30 A, NTC

Recommended circuit breaker

6, 10, 16 (B,C) A

16180.2

PSPM 230/24-1A

PSPM 230/24-1A

Technical Data

Output data

Output voltage DC min.	23 V
Output voltage DC max.	28,5 V
Internal overvoltage protection (OVP), max.	39 VDC
Output current	1 A
Output current limitation	1,1 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 %

16180.2

PSPM 230/24-1A

PSPM 230/24-1A

Technical Data

Further technical data

Protection class	IP20
Storage temperature, min.	-25 °C
Storage temperature, max.	85 °C
Efficiency	86 %
Convection cooling	✓
Signal display DC OK	LED, grün (Uout >21,5 V)
Transient overvoltage protection	Varistor
Derating at K > 50 °C	-3 %
Power loss at no load	<1 W
Power loss, max.	5 W (100 VAC / 24 V / 1 A)
Signal output DC OK	Open collector (Uout > 21.5 V max. 20 mA @ 24 VDC)

16180.2
PSPM 230/24-1A
PSPM 230/24-1A

Approvals

Standards and regulations

CE compliant	✓
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)

16180.2

PSPM 230/24-1A

PSPM 230/24-1A

Media

