

Pro-H CP T RM 20

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

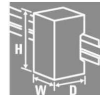
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The powerful new line of PRO-H power supplies – with ATEX and Class I Div. 2 approvals – is designed for use in Ex zones and the high-performance sector. High power reserves, a wide operating temperature range of -25 °C to +70 °C and high MTBF values (mean time between failures) of up to 1.8 million hours: these features ensure that the power supplies are suitable for all applications that require superior reliability (for example in the processing industry, power engineering, and in demanding machine construction applications).

Solutions are available to fit control voltages from 12V/24V to 48V. The product can be wired in parallel in order to increase the power capacity. A two-channel set-up with 100% load sharing can also be implemented with an optional redundancy module. This serves to increase your operational reliability. The Remote On/Off function allow you to switch the device on and off remotely. The output status can be signalled over a voltage-free relay or transistor output. The devices are equipped with pluggable connection terminals which allow them to be easily tested.

Product solutions can be custom-fit for use in different types of one-phase, and three-phase systems.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2018-06-30
Type	CP T RM 20
Order No.	1105890000
Version	Power supply, switch-mode power supply unit
GTIN (EAN)	4032248881369
Qty.	1 pc(s).
Alternative product	2486100000

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Technical data
Dimensions and weights

Width	54 mm	Width (inches)	2.126 inch
Height	110 mm	Height (inches)	4.331 inch
Depth	110 mm	Depth (inches)	4.331 inch
Net weight	494.8 g		

Temperatures

Humidity	0...95 % (no condensation)	Operating temperature, max.	70 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-25 °C	Operating temperature	-25 °C...70 °C
Storage temperature	-25 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E258476
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Input

Rated input voltage	24 V DC
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Output

Connection system	Screw connection	Nominal output current for U_{nom}	7 A @ 40 °C
Output voltage	24...28 V (adjustable via potentiometer on front)	Output voltage type	DC
Rated output voltage	24 V DC $\pm$ 1 %	Residual ripple, breaking spikes	100 mV _{pp} @ 24 V DC, I_{nom}

General data

Housing version	Metal, corrosion resistant	Humidity	0...95 % (no condensation)
Operating temperature	-25 °C...70 °C	Protection degree	IP20

Insulation coordination

Pollution severity	2	Protection class	I, with PE connection
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Connection data (input)

Conductor cross-section, AWG/kcmil , max.	10	Conductor cross-section, AWG/kcmil , min.	18
Conductor cross-section, flexible , min.	1 mm ²	Conductor cross-section, rigid , max.	4 mm ²
Conductor cross-section, rigid , min.	1 mm ²	Number of terminals	4 (++-)
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Wire connection cross section, flexible (input), max.	4 mm ²		

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Technical data
Connection data (output)

Conductor cross-section, AWG/kcmil , max.	10	Conductor cross-section, AWG/kcmil , min.	12
Conductor cross-section, flexible , max.	4 mm ²	Conductor cross-section, flexible , min.	2.5 mm ²
Conductor cross-section, rigid , max.	4 mm ²	Conductor cross-section, rigid , min.	2.5 mm ²
Connection system	Screw connection	Number of terminals	4 (++ / -)
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm

Connection data (signal)

Wire connection method	Screw connection	Wire cross-section, AWG/kcmil , max.	12
Wire cross-section, AWG/kcmil , min.	32	Wire cross-section, solid , max.	2.5 mm ²
Wire cross-section, solid , min.	0.2 mm ²		

Approvals

Institute (CSA)		Certificate No. (CSA)	
			246286-2148800
Institute (cURus)		Certificate No. (cURus)	
			E258476

Classifications

ETIM 6.0	EC002850	ETIM 7.0	EC002850
eClass 9.0	27-04-06-92	eClass 9.1	27-04-92-90
eClass 10.0	27-04-06-92		

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160422_002.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN.WSCAD
User Documentation	Warrenty Information Power Supplies.pdf