DCDC 24V-120V 230W

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

The compact DC/DC converter is designed for applications in automation technology, power supply and power plant technology, traffic system plus mechanical and plant engineering.
The DC/DC converter is characterised by its high efficiency and its above-average output data.
With status signalling and output voltage which can be shut off, it offers sensible functions for automation technology.

General ordering data

Order No.	1507190000
Type	DCDC 24V-120V 230W
GTIN (EAN)	4050118315615
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	60 mm	Height (inches)	2.362 inch
Width	120 mm	Width (inches)	4.724 inch
Length	185 mm	Length (inches)	7.283 inch
Net weight	1,270 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Humidity	5...95 %, no condensation		

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , min.	0.5 mm²	Conductor cross-section, rigid , max.	2.5 mm²
Conductor cross-section, rigid , min.	0.5 mm²	Reverse polarity protection	Yes
Wire connection cross section, flexible (input), max.	2.5 mm²		

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm²	Conductor cross-section, flexible , min.	0.5 mm²
Conductor cross-section, rigid , max.	2.5 mm²	Conductor cross-section, rigid , min.	0.5 mm²
Number of terminals	1 terminal / 2-pole output ++/–	Reverse polarity protection	Yes

Connection data (signal)

Wire connection method	PUSH IN	Wire cross-section, solid , max.	2.5 mm²
Wire cross-section, solid , min.	0.5 mm²		

EMC / shock / vibration

Interference immunity test acc. to	EN 61000-4-11 (Dips), EN 61000-4-4 (burst), EN 61000-4-5 (surge), EN 61000-4-6 (conducted), EN61000-4-8 (Fields), EN 61000-4-2 (ESD), IEC 61000-4-3	Noise emission in accordance with EN55032	Class B

Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160
Safety extra-low voltage	SELV according to EN 60950, PELV according to EN 60204		

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General data

Adjacent	Yes, no gap	Clip-in foot	metal
Current limiting	150% I_{out}	Degree of efficiency	93%
Housing version	Metal, corrosion resistant	Humidity	5...95 %, no condensation
Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.	Short-circuit protection	Yes

Input

DC current consumption	Typ.: 11 A, Max.: 15.5 A	DC input voltage range	19,2 V DC ... 28,8 V DC
Input fuse (internal)	Yes	Input voltage, max.	28.8 V
Input voltage, min.	19.2 V	Inrush Current Limitation	< 10 A
Rated input voltage	24 V DC	Recommended back-up fuse	16 A / DI/II safety fuse, 16 A, char. B circuit breaker, 16 A, char. C, circuit breaker
Surge protection	Yes	Wire connection method	PUSH IN

Output

Output current	2 A	Output voltage type	DC
Output voltage, max.	144 V	Output voltage, min.	96 V
Output voltage, note	120 V @ > U_{IN} 27 V DC	Overload protection	Yes @ 3 A
Surge protection	Yes	Wire connection method	PUSH IN

Signalling

Remote on / off input	24 V DC signal	Remote on / off short-circuit-proof	yes
Status indicator	LED green (DC OK): input/ output voltage = 16 V U_{INPUT} =>73 V U_{OUTPUT}, Red LED (fault) = 16 V U_{INPUT} = 0 V U_{OUTPUT}		

Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
ETIM 8.0	EC002540	ECLASS 9.0	27-04-07-01
ECLASS 9.1	27-04-07-01	ECLASS 10.0	27-04-07-01
ECLASS 11.0	27-04-07-01	ECLASS 12.0	27-04-07-01

Approvals

Approvals	CE
ROHS	Conform

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