

PRO TOP3 960W 36V 26,6A CO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

PROtop combines highest efficiency and compact housings with high durability and direct parallel connection without diode modules. This reduces costs and creates space in the cabinet. Due to the powerful DCL technology, even difficult loads - motors, for instance - are operated smoothly, while circuit breakers are triggered reliably. The good communication capability allows permanent condition monitoring and full integration with control systems.

General ordering data

Version	Power supply, switch-mode power supply unit, 36 V
Order No.	2467140000
Type	PRO TOP3 960W 36V 26,6A CO
GTIN (EAN)	4050118482041
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	175 mm	Depth (inches)	6.89 inch
Height	130 mm	Height (inches)	5.118 inch
Net weight	2.490 g	Width	89 mm
Width (inches)	3.504 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity at operating temperature	5...100 % no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

AC input voltage range	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC	Connection system	PUSH IN
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)	Frequency range AC	45...65 Hz
Input fuse (internal)	No	Inrush current	Max. 10 A
Rated input voltage	3x 400...3x 500 V AC (wide-range input)	Recommended back-up fuse	6 - 8 A, Char. C
Surge protection	Varistor		

Output

Connection system	PUSH IN								
DCL - peak load reserve	<table> <tr> <td>Boost duration</td><td>5 s</td></tr> <tr> <td>Multiple of the rated current</td><td>150 %</td></tr> <tr> <td>Boost duration</td><td>15 ms</td></tr> <tr> <td>Multiple of the rated current</td><td>500 %</td></tr> </table>	Boost duration	5 s	Multiple of the rated current	150 %	Boost duration	15 ms	Multiple of the rated current	500 %
Boost duration	5 s								
Multiple of the rated current	150 %								
Boost duration	15 ms								
Multiple of the rated current	500 %								
Nominal output current for U_{nom}	26.6 A @ 60 °C								
Output power	960 W								
Output voltage	36 V								
Output voltage	33...44 V								
Output voltage, max.	44 V								
Output voltage, min.	33 V								
Parallel connection option	yes, max 10								
Ramp-up time	≤ 100 ms								
Rated output voltage	36 V DC ± 1 %								
Residual ripple, breaking spikes	< 50 mVss @ U_{Nenn} , Full Load								

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Technical data

General data

AC failure bridging time @ I _{nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC	Conformal coating	Yes
Degree of efficiency	95,3 %	Derating	> 60°C (2.5% / 1°C)
Earth leakage current, max.	3.5 mA	Housing version	Metal, corrosion resistant
MTBF	> 1.000.000 h according IEC 1709 (SN29500)	Mounting position, installation notice	Horizontal on DIN rail TS 35, top and bottom 50 mm clearance for free air flow, 10 mm clearance to neighbouring active subassemblies with full load, 5 mm with passive neighbouring subassemblies, direct row mounting with 90% rated load
Operating temperature	-40 °C...70 °C	Power factor (approx.)	> 0.75 @ 3x400 V AC
Short-circuit protection	Yes, internal	Surge voltage category	II, III

EMC / shock / vibration

Interference immunity test acc. to	EN 55024, EN 55032 (EN 55022), EN 61000-6-1, 2, 3, 4	Shock resistance IEC 60068-2-27	30 g in all directions
Vibration resistance IEC 60068-2-6	2.3 g (on DIN rail), 4 g (with direct mounting)		

Insulation coordination

Humidity at operating temperature	5...100 % no condensation	Insulation voltage, input/output	3.5 kV
Pollution severity	2	Protection class	I, with PE connection
Surge voltage category	II, III		

Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160
Protection against dangerous shock currents	Acc. to VDE0106-101	Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Safety extra-low voltage	SELV according to EN 62368-1, PELV according to EN 60204-1	Safety transformers for switch-mode power supplies	According to EN 61558-2-16

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	4	Conductor cross-section, AWG/kcmil , min.	20
Conductor cross-section, flexible , min.	0.75 mm ²	Conductor cross-section, rigid , max.	16 mm ²
Conductor cross-section, rigid , min.	0.75 mm ²	Connection system	PUSH IN
Wire connection cross section, flexible (input), max.	16 mm ²		

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Technical data

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	4	Conductor cross-section, AWG/kcmil , min.	20
Conductor cross-section, flexible , max.	16 mm ²	Conductor cross-section, flexible , min.	0.75 mm ²
Conductor cross-section, rigid , max.	16 mm ²	Conductor cross-section, rigid , min.	0.75 mm ²
Connection system	PUSH IN	Number of terminals	4 (++) / -)

Connection data (signal)

Wire connection method	PUSH IN	Wire cross-section, AWG/kcmil , max.	16
Wire cross-section, AWG/kcmil , min.	26	Wire cross-section, solid , max.	1.5 mm ²
Wire cross-section, solid , min.	0.14 mm ²		

Signalling

Floating contact	LED green/red	Green: Operation (failure-free), Flashing green: advance warning I>90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Status relay (max. load)	Yes Output voltage OK (30 V DC / 1 A)	

Approvals

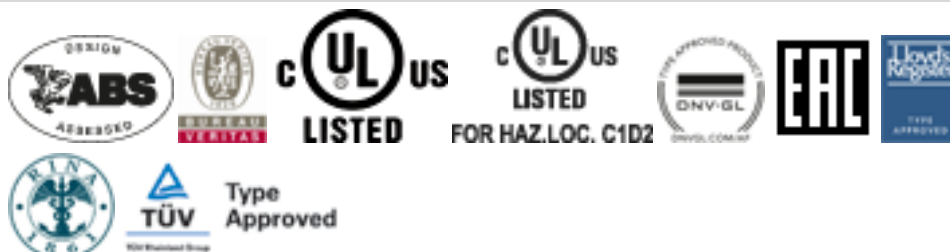
Certificate no. (cULus)	E258476	Certificate no. (cULusEX)	E470829
Institute (cULus)	CULUS	Institute (cULusEX)	CULUSEX

Classifications

ETIM 6.0	EC002540	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E258476

Downloads

Engineering Data	STEP
User Documentation	IS PRO TOP3 960W 36V 26,6A CO
Brochure/Catalogue	Catalogues in PDF-format

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Drawings

