

**FP SOL TOP3 24/10 2 001****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

PROtop power supplies offer a wide range of functions with many advantages.

These include high energy efficiency, outstanding power reserves, high reliability and optional communication capability. PROtop also supports direct parallel connection with load balancing. With the possibility of integrating our PROtop power supplies into the FieldPower® system, the entire range of functions becomes available in the field – with all the advantages of the FieldPower® modular system.

**General ordering data**

Version	FieldPower® power supply unit, IP65, 3 x 4 A NEC Class 2, 24 V, DC, PUSH IN, M12, A-coded
Order No.	<a href="#">8000050554</a>
Type	FP SOL TOP3 24/10 2 001
GTIN (EAN)	4050118741858
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	220 mm	Depth (inches)	8.661 inch
Height	215 mm	Height (inches)	8.465 inch
Width	240 mm	Width (inches)	9.449 inch
Net weight	4,614 g		

## Temperatures

Storage temperature	-10 °C...60 °C	Operating temperature	-20 °C...40 °C
Operating temperature range	-20 °C ... +40 °C (regard derating) Start up $\geq$ -40 °C	Humidity	35...85%, non condensing and non freezing

## Input

AC current consumption	0,7 A @ 400 V DC / 0,8 A @ 320 V AC	AC input voltage range	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)	Frequency range AC	45...65 Hz
Recommended back-up fuse	2 - 3 A, Char. C	Surge protection	Suppressor diode
Inrush current	Max. 10 A	Input fuse (internal)	2.5 A 50 kA / 500 V AC (6.3 x 32 mm)

## Output

Adjustable rated current	No	Capacitive load	4.700 $\mu$ F
Number of terminals	3 x 2 (+ / -)	Output current	3 x 4 A NEC Class 2
Output power	240 W	Output voltage	24 V
Output voltage type	DC	Output voltage, max.	28.8 V
Output voltage, min.	22.5 V	Output voltage, note	(adjustable via potentiometer), adjusted to 25 V
Switch-on delay	1 s	Triggering characteristic	see characteristic curve
Rated output voltage	24 V DC $\pm$ 1 %	Nominal output current for $U_{nom}$	3 x 3.8 A @ 40 °C

## General data

Humidity	35...85%, non condensing and non freezing	Installation advice	Lid screws included
Protection degree	IP65	Short-circuit protection	Yes, internal
Surge voltage category	II, III		

## Insulation coordination

Surge voltage category	II, III
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## Connection data (input)

Connection system	PUSH IN
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## Connection data (output)

Conductor cross-section, AWG/kcmil , max.	26	Conductor cross-section, AWG/kcmil , min.	12
Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.14 mm <sup>2</sup>
Conductor cross-section, rigid , max.	2.5 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.14 mm <sup>2</sup>
Connection system	PUSH IN	Number of terminals	3 x 2 (+ / -)

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## Technical data

## Cable gland

Cable gland clamping area, max.	12 mm	Cable gland clamping area, min.	6 mm
Cable gland material	Polyamide 6	Number of cable glands	4

## Clamping capacity

Connection data - terminal strip	Wire connection method		PUSH IN
	Conductor connection cross-section, solid, max.		2.5 mm <sup>2</sup>
	Conductor connection cross-section, solid, min.		0.14 mm <sup>2</sup>
	Conductor connection cross-section, stranded, max.		2.5 mm <sup>2</sup>
	Conductor connection cross-section, stranded, min.		0.14 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, max.		2.5 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, min.		0.14 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, max.		2.5 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, min.		0.14 mm <sup>2</sup>
	Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/1
		Cross-section, min.	0.14 mm <sup>2</sup>
		Cross-section, max.	2.5 mm <sup>2</sup>
		Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.14 mm <sup>2</sup>
		Cross-section, max.	2.5 mm <sup>2</sup>
		Type of wire end ferrule	8 mm with plastic collar
		Standard	DIN 46228/1
		Cross-section, min.	0.14 mm <sup>2</sup>
		Cross-section, max.	2.5 mm <sup>2</sup>
		Type of wire end ferrule	8 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.14 mm <sup>2</sup>
		Cross-section, max.	2.5 mm <sup>2</sup>
		Type of wire end ferrule	Twin wire-end ferrules
		Cross-section, min.	0.14 mm <sup>2</sup>
		Cross-section, max.	2.5 mm <sup>2</sup>

## Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
ETIM 8.0	EC002540	ETIM 9.0	EC002540
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
ECLASS 13.0	27-04-90-02	ECLASS 14.0	27-04-07-01

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## Technical data

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3
SCIP	7645f3b1-6db9-495d-9e21-ab1d894aff05
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E223801

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">UL Certificate FieldPower® industrial control panel</a> <a href="#">CE Declaration of Conformity Fieldpower® PROtop and maxGUARD</a>
User Documentation	<a href="#">Manual FieldPower® PROtop and maxGUARD size 2</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## FP SOL TOP3 24/10 2 001

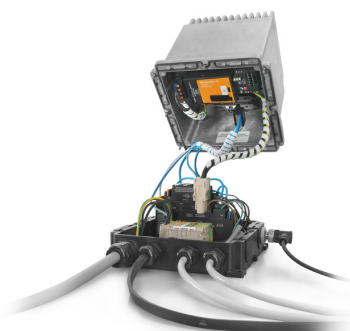
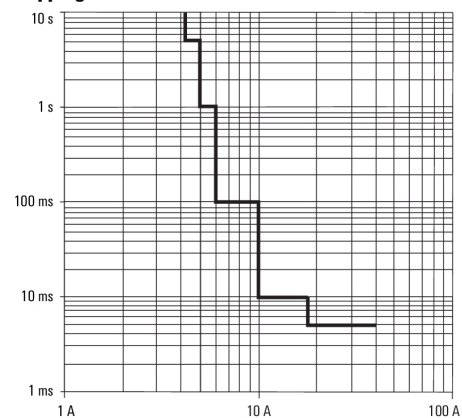
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## Drawings



**Tripping characteristic normal**



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## Accessories

## Bits E6,3 - Torx®



The Weidmüller bits are standard bits which are highly popular with users thanks to their good quality, large range and efficiency. The computer-controlled hardening method enables Weidmüller to guarantee a consistently high standard of quality.

The high-quality raw materials used make it possible to reach torques far higher than any of those specified in the relevant DIN standards:

- DIN 5261 for PH/PZ bits,
- DIN 5263 for slotted bits,
- Camcar standard for TORX bits

That means a long life at high torques and hence ideal conditions for standard situations.

**The benefits:**

- Suitable for all types of screws. Because of their excellent hardness values of 59-61 HRC, they are suitable for use with both manual and power tools.
- Good wearing resistance and thus a long life expectancy.
- Optimum fit in all DIN screws means low wear and optimum torque transmission.
- Manufactured to meet professional quality criteria according to relevant ISO standards with a consistently high standard of quality.

**General ordering data**

Type	BIT E6,3 T20 X 150	Version
Order No.	<a href="#">2821510000</a>	Mounting tool
GTIN (EAN)	4064675359050	
Qty.	5 pc(s).	

**DMS PRO**

Weidmüller torque screwdrivers have an ergonomic design and are therefore ideal for use with one hand. They can be used without causing fatigue in all installation positions. Apart from that, they incorporate an automatic torque limiter and have a good reproducibility accuracy.

**General ordering data**

Type	DMS PRO	Version
Order No.	<a href="#">1479120000</a>	Mounting tool
GTIN (EAN)	4050118287011	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

**General ordering data**

Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">2749340000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118895568	thickness (A): 0.6 mm
Qty.	1 pc(s).	

**Tools**

Sheathing stripper for PVC cables

**General ordering data**

Type	AM 16	Version
Order No.	<a href="#">9204190000</a>	Tools, Sheathing strippers
GTIN (EAN)	4032248608133	
Qty.	1 pc(s).	
Type	AM 25	Version
Order No.	<a href="#">9001540000</a>	Tools, Sheathing strippers
GTIN (EAN)	4008190138271	
Qty.	1 pc(s).	