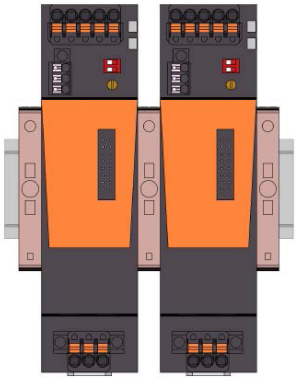
Weidmüller

Power supplies

PROtop - Efficient, Powerful, Innovative

The only power supply with the ORing MOSFET integrated in all models

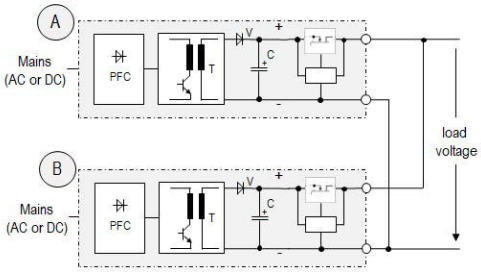
PROtop combines highest efficiency and compact housing with high durability and direct parallel connection without diode modules. This reduces costs and creates space in the control cabinet. Due to the powerful DCL technology, even difficult loads – motors, for instance – are operated smoothly, while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



PROtop with integrated ORing MOSFET

Integrated ORing MOSFET
Direct parallel switching without an external diode module, selectable short circuit behavior, single/parallel mode selection for current balancing

Industrial IoT-ready
Simple to retrofit, one communication module for all devices, complete data transparency from the sensor to the cloud



Automotive | Food & Beverage | Oil & Gas | Water Treatment | Wind

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PROtop High Performance Power Supply Fit for Digitization

Save room and cost in the electrical panel

Innovative DCL technology offers:

- High power boost for starting motors quickly and safely
- Excellent peak load reserves up to 600%
- Extremely reliable triggering of circuit breakers

Extensive assortment available:

- Up to 30% space savings
- Available in 1ph: 12V: 10A; 24V: 3/5/10/20/40A; 48V: 10/20A; 3ph: 24V:5/10/20/40A; 48V: 10/20A
- Additional screw flanges for high vibration
- Coated PCB and EX versions: -40°F... +158°F

All-purpose usage for all applications, including high-end machinery and production lines in automotive and food & beverage plants; heavy & light processes, such as chemical plants, refineries and oil platforms; conveyor systems and warehousing; customers with special cabinet inspections; pull-out test of cables and connectors; power line applications with and w/o neutral applications down to -40°F with condensation (EX/coated versions); conformal coating for use in corrosive atmosphere approved ISA 71.04 G3. (H_2S, NO_2, Cl_2, SO_2, humidity); and essential services demands like water and wastewater treatment.

PROtop power supplies at a glance

Type									Recommended Upstream Mini Circuit Breaker (MCB)			
	Phase (1 or 3)	Power	Out Voltage	Out Current	DCL peak (15 ms) / Power boost (5 sec.)	Footprint	Additional approvals ISA71.04 G3	Order no.	120V AC L/N (1P)	240V AC L1-L2 (2P)	480V AC L1-L2-L3 (3P)	Recommended Surge Protection Device (SPD) (**)
Single-phase(*)	PROtop1	72W	24V	3A	18 A / 4.5 A	1.38"		2466850000	MCB 489 1P/2P C 3A ACDC	2477840000	2478090000	n/a	2736330000
	PROtop1	120W	24V	5A	30 A / 7.5 A	1.38"		2466870000	MCB 489 1P/2P C 3A ACDC	2477840000	2478090000	n/a	2736330000
	PROtop1	120W	24V	5A EX	30 A / 7.5 A	1.38"	•	2466980000	MCB 489 1P/2P C 3A ACDC	2477840000	2478900000	n/a	2736330000
	PROtop1	240W	24V	10A	60 A / 15 A	1.54"		2466880000	MCB 489 1P/2P C 5A ACDC	2477860000	2478110000	n/a	2736330000
	PROtop1	240W	24V	10A EX	60 A / 15 A	1.54"	•	2466990000	MCB 489 1P/2P C 5A ACDC	2477860000	2478110000	n/a	2736330000
	PROtop1	480W	24V	20A	120 A / 30A	2.68"		2466890000	MCB 489 1P/2P C 8A ACDC	2477890000	2478140000	n/a	2736330000
	PROtop1	480W	24V	20A EX	120 A / 30A	2.68"	•	2467000000	MCB 489 1P/2P C 8A ACDC	2477890000	2478140000	n/a	2736330000
	PROtop1	960W	24V	40A	240 A / 60 A	4.88"		2466900000	MCB 489 1P/2P C 15A ACDC	2477930000	2478180000	n/a	2736330000
	PROtop1	960W	24V	40A EX	240 A / 60 A	4.88"	•	2467010000	MCB 489 1P/2P C 15A ACDC	2477930000	2478180000	n/a	2736330000
Three-phase (*)	PROtop3	120W	24V	5A	30 A / 7.5 A	1.54"		2467060000	MCB 489 3P C 1A ACDC	n/a	n/a	2478290000	2736330000
	PROtop3	240W	24V	10A	60 A / 15 A	1.97"		2467080000	MCB 489 3P C 2A ACDC	n/a	n/a	2478330000	2736330000
	PROtop3	480W	24V	20A	120 A / 30 A	2.68"		2467100000	MCB 489 3P C 4A ACDC	n/a	n/a	2478350000	2736330000
	PROtop3	960W	24V	40A	240 A / 60 A	3.50"		2467120000	MCB 489 3P C 6A ACDC	n/a	n/a	2478370000	2736330000

Other models available: 12V: 10A; 24V: 3A; 48V: 10/20A. See more details on our website: **www.weidmuller.com/powersupplies**
(*) Input rated voltage: Single phase: 85...277 V AC / 80...410 V DC. Three phases: 3× 320...575 V AC or 2× 360...575 V AC / 450...800 V DC
(**) SPD: VPU AC II US 2 R 120/50 (2730480000) consider 3 wires (L1, L2 and Ground) with max. voltage L-Ground: 240Vac. VPU AC II US 3 R 277/50 (2730600000) consider 4 wires (L1, L2, L3 and Ground) 480V WYE.
Other options are available on our website: **www.weidmuller.com/vpu-ac**

24V CO models with extended temperature range

Type					Order no.
PROtop1	72W	24V	3A	CO	2466970000
PROtop3	120W	24V	5A	CO	2467070000
PROtop3	240W	24V	10A	CO	2467090000
PROtop3	480W	24V	20A	CO	2467110000
PROtop3	960W	24V	40A	CO	2467130000

Accessories

Model	Description	Order no.
PRO COM DISPLAY 7S	Communication module: power supply operational maintenance	2466960000
PRO COM CAN OPEN	Communication module CAN-OPEN with 2x RJ45 connectors	2467320000
PRO COM IO-LINK	Communication module compatible with multiple IO-Link masters	2587360000
PRO BRACKETS	For direct mounting and vibration protection	2575900000

Scan to learn more about PROtop

Approvals:

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Personal support can be found at **weidmuller.com/contact**
Learn more about PROtop Power Supplies at **weidmuller.com/eshop**