

TRIO POWER

Power supplies with standard functionality

Our new TRIO POWER power supplies are the ideal solution for machine building. Compact, robust, and always reliable: The TRIO POWER 24 V power supply sets the new standard in machine building. The Plug and Play solution for the control cabinet: simply unpack, connect, and you're done!



Your advantages

- ✓ Space-saving due to its low overall width and capability of being mounted directly side by side
- ✓ Robust and reliable due to dynamic boost with a powerful output characteristic curve
- ✓ Easy handling with Push-in connection technology
- ✓ Smart diagnostics with multicolor LEDs and collective relay contact for a clear status display, with optional IO-Link
- ✓ High system availability: supply and protection in one device due to the integrated compact multi-channel circuit breaker

Technologies and advantages



Save space

The vertically arranged front connection technology allows for narrow overall widths and saves space in the control cabinet. Due to TRIO POWER's capability of being mounted directly side by side, the available space can be maximally used. The low overall depth enables installation in 210 mm small housings.



Robust and reliable

TRIO POWER provides a powerful package for drive technology applications with up to 960 W output power in 1 AC and 3 AC versions. The dynamic boost (150%/5 s) enables difficult loads to be started. With the powerful output characteristic curve, even capacitive loads can be charged without any problems.



Easy handling

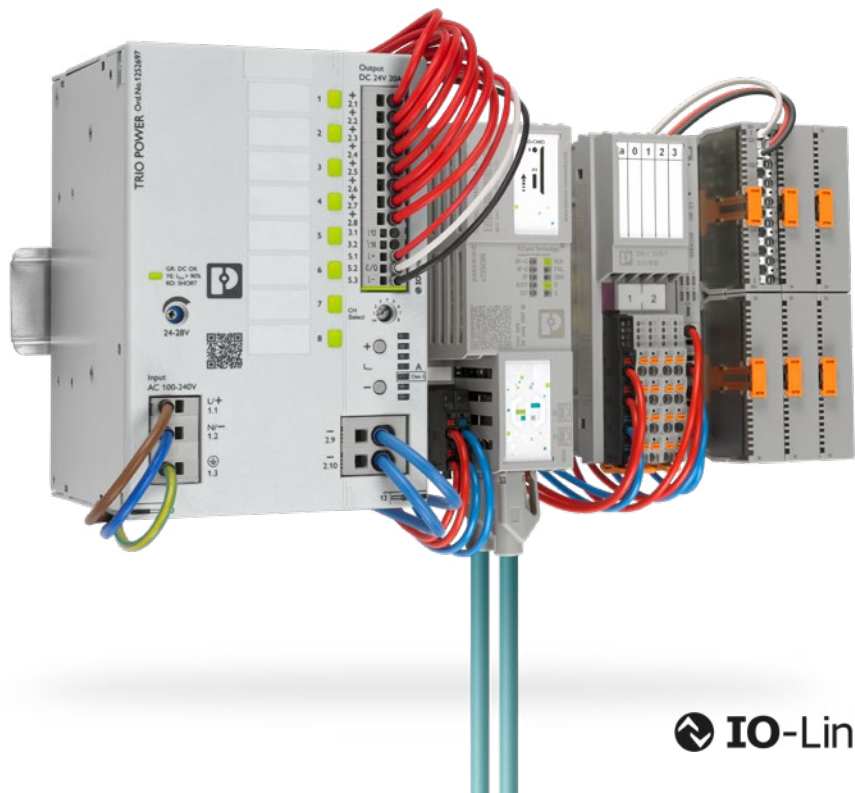
The power supplies enable easy handling: Push-in connection technology allows for quick and tool-free installation. Integrated marking fields can be used for easy EID and circuit marking. Due to an intuitive commissioning concept, the devices are quickly ready for use. The mechanical lock of the potentiometers ensures that the devices are also tamper-proof.

TRIO POWER power supplies with device protection and IO-Link





All TRIO POWER power supplies feature smart diagnostics with multicolor LEDs and a collective signal contact. This is used to signal all relevant states such as DC OK, overload, and short circuit.

Devices with integrated multi-channel device protection and an IO-Link interface for diagnostics and parameterization are optionally available. The compact devices reduce the installation work, space requirements in the control cabinet, and material costs.



TRIO POWER power supplies therefore provide reliable supply and protection in one device.



3rd generation TRIO POWER

TRIO POWER, 1~				
				
Input	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC
W x H x D in mm	30 x 135 x 120	35 x 135 x 120	40 x 135 x 132	55 x 135 x 132

	24 V / 3 A NEW	24 V / 5 A	24 V / 10 A	24 V / 20 A
Type	TRIO3-PS/1AC/24DC/3/C2LPS	TRIO3-PS/1AC/24DC/5	TRIO3-PS/1AC/24DC/10	TRIO3-PS/1AC/24DC/20
Item no.	1362785	1159037	1159038	1159039
				48 V / 10 A NEW
Type				TRIO3-PS/1AC/48DC/10
Item no.				1362786
	12 V / 5 A NEW			
Type	TRIO3-PS/1AC/12DC/5/C2LPS			
Item no.	1362789			

TRIO POWER, 1~, integrated device protection				
	 IO-Link	 IO-Link		
Input	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC		
W x H x D in mm	68 x 135 x 132	88 x 135 x 132		
	24 V / 10 A	24 V / 20 A		
Type	TRIO3-PS/ 1AC/24DC/10/4C/IOL	TRIO3-PS/ 1AC/24DC/20/8C/IOL		
Item no.	1252696	1252697		

3rd generation TRIO POWER





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Power supplies for the DIN rail




TRIO POWER, 3~				
				
Input	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC
W x H x D in mm	35 x 135 x 120	40 x 135 x 132	60 x 135 x 132	90 x 135 x 167

	24 V / 5 A NEW	24 V / 10 A	24 V / 20 A	24 V / 40 A
Type	TRIO3-PS/3AC/24DC/5	TRIO3-PS/3AC/24DC/10	TRIO3-PS/3AC/24DC/20	TRIO3-PS/3AC/24DC/40
Item no.	1362783	1159042	1159044	1159045
				48 V / 20 A NEW
Type				TRIO3-PS/3AC/48DC/20
Item no.				1362784

TRIO POWER, 3~, integrated device protection				
	 IO-Link	 IO-Link		
Input	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC		
W x H x D in mm	88 x 135 x 132	128 x 135 x 167		

	24 V / 20 A NEW	24 V / 40 A NEW		
Type	TRIO3-PS/ 3AC/24DC/20/8C/IOL	TRIO3-PS/ 3AC/24DC/40/8C/IOL		
Item no.	1362791	1362792		

3rd generation TRIO POWER for extreme environments

TRIO POWER, 1~, with PCB with protective coating			
			
Input	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC	85 V AC ... 264 V AC 90 V DC ... 264 V DC
W x H x D in mm	35 x 135 x 120	40 x 135 x 132	55 x 135 x 132
	24 V / 5 A / CO NEW	24 V / 10 A / CO NEW	24 V / 20 A / CO NEW
Type	TRIO3-PS/1AC/24DC/5/CO	TRIO3-PS/1AC/24DC/10/CO	TRIO3-PS/1AC/24DC/20/CO
Item no.	1523018	1523019	1523020

TRIO POWER for extreme environments

The TRIO POWER power supplies with protective coating ensure high system availability even in extreme ambient conditions. The coating protects against dust, corrosive gases, and humidity. The power supply also impresses with its space-saving design, robust and reliable supply, easy handling, and intelligent diagnostics.



Power supplies for extreme environments

In addition to TRIO POWER power supplies, we also provide QUINT POWER power supplies and STEP POWER power supplies with protective coating. QUINT POWER power supplies, DC/DC converters, and redundancy modules also have ATEX and IECEx approvals. In addition to protection against dust and corrosive gases, this also provides protection against 100% humidity. Failures due to creepage currents and electrochemical migration caused by corrosion are also prevented. The components are protected within a wide temperature range of -40°C to +70°C.



2nd generation TRIO POWER

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Power supplies for the DIN rail

TRIO POWER, 1~		
		
Input	85 V AC ... 264 V AC 99 V DC ... 275 V DC	85 V AC ... 264 V AC 99 V DC ... 275 V DC
W x H x D in mm	35 x 130 x 115	42 x 130 x 160
	24 V / 5 A / B+D¹⁾	24 V / 10 A / B+D¹⁾
Type	TRIO-PS-2G/1AC/24DC/5/B+D	TRIO-PS-2G/1AC/24DC/10/B+D
Item no.	2903144	2903145
		48 V / 5 A
Type		TRIO-PS-2G/1AC/48DC/5
Item no.		2903159
	12 V / 10 A	
Type	TRIO-PS-2G/1AC/12DC/10	
Item no.	2903158	
TRIO POWER, 1~		
		
Input	187 V AC ... 264 V AC 187 V DC ... 420 V DC	
W x H x D in mm	42 x 130 x 160	
	48.5 V / 5 A	
Type	TRIO-PS-2G/ 230AC-400DC/48DC/5	
Item no.	1157806	
TRIO POWER, 3~		
		
Input	3 x 320 V AC ... 575 V AC	
W x H x D in mm	110 x 130 x 160	
	72 V / 14 A	
Type	TRIO-PS-2G/3AC/72DC/14	
Item no.	1076188	

¹⁾ Bridge and Deck, optimized for use on the bridge of a ship.