

Power supply module

RE 29729/11.09
Replaces: 07.05

1/4

Type VT 11006, VT 11116

Series 1X



F67163_d

Table of contents

Contents	
Features	1
Ordering code	2
Technical data	2
Block circuit diagram	2
Terminal assignment	3
Notes	3
Unit dimensions	3

Features

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Page	The power supply module supplies two stabilised voltages. It is used to supply external, electrical consumers.
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2	Special features:
2	– VT 11006-1X: 24 V / ± 15 V
3	– VT 11116-1X: 24 V / ± 10 V
3	– Switched-mode power supply unit
3	– Reverse voltage protection
	– Function monitoring by means of LED lamps
	– Output voltages electrically isolated from operating voltage

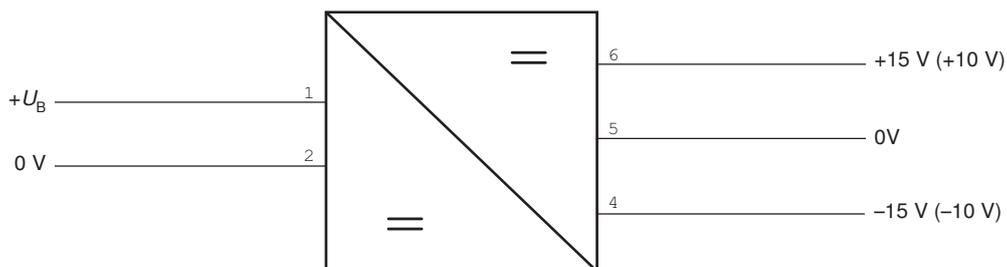
Ordering code

	VT 11	-1X	*	
24 V power supply module				Further details in clear text
Output voltage ± 15 V	= 006			Series 10 to 19
Output voltage ± 10 V	= 116			(10 to 19: unchanged installation and connection dimensions)

Technical data (For applications outside these parameters, please consult us!)

		VT 11006-1X	VT 11116-1X
Operating voltage	U_B	$21.5 V_{\text{eff}}$ to $35 V_{\text{eff}}$	$21.5 V_{\text{eff}}$ to $35 V_{\text{eff}}$
– Three-phase bridge (winding)	U	21.5 V to 35 V	21.5 V to 35 V
– Full bridge (winding)	U	20 V to 24 V	20 V to 24 V
(with external smoothing capacitor only, 2200 μF per module)			
Power consumption	P	≤ 10 VA	≤ 10 VA
Output voltage	U_O	± 15 V (± 1 %)	± 10 V (± 1 %)
Residual ripple content (referred to the nominal output voltage value)		< 1 %	< 1 %
Output current	I	max. ± 200 mA	max. ± 150 mA
Temperature range	t	-25 to $+70^\circ\text{C}$	-25 to $+70^\circ\text{C}$
Weight	m	~ 0.13 kg	~ 0.13 kg

Block circuit diagram



Terminal assignment

Operating voltage U_B	$+U_B$	1	4	-15 V (-10 V)
	0 V	2	5	0 V
	n. c.	3	6	+15 V (+10 V)

Notes

- The power supply module is not resistant to sustained short-circuit!
- In the case of overloading of one output voltage, the second output voltage is reduced as well!
- In the case of continuous operation of several adjacent modules and temperatures higher than 40 °C, a minimum space of ≥ 20 mm must be maintained between the modules!

Unit dimensions (dimensions in mm)

