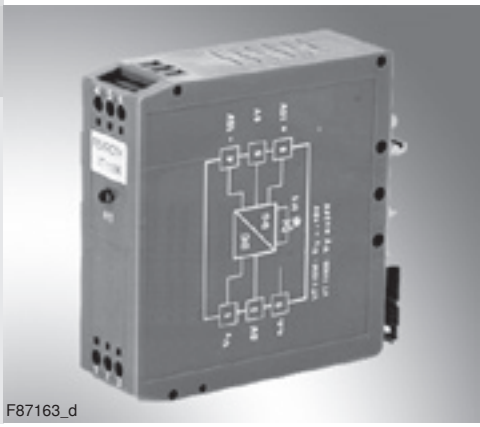
Power supply module

RE 29729/11.09 1/4
Replaces: 07.05

Type VT 11006, VT 11116



Series 1X

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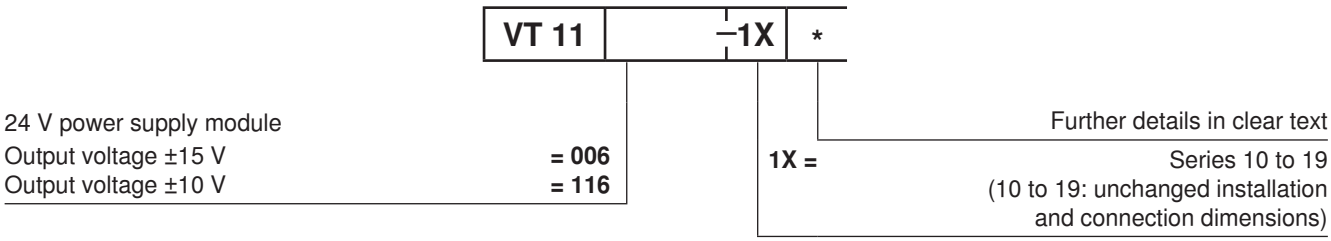
Features

The power supply module supplies two stabilised voltages. It is used to supply external, electrical consumers.

Special features:

- VT 11006-1X: 24 V / ±15 V
- VT 11116-1X: 24 V / ±10 V
- Switched-mode power supply unit
- Reverse voltage protection
- Function monitoring by means of LED lamps
- Output voltages electrically isolated from operating voltage

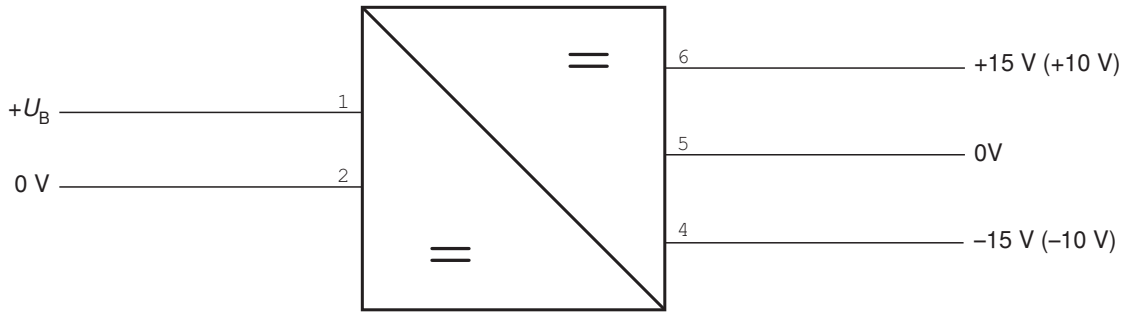
Ordering code



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

		VT 11006-1X	VT 11116-1X
Operating voltage	U_B	21.5 V_{eff} to 35 V_{eff}	21.5 V_{eff} to 35 V_{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° C	–25 to +70° 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)