

Electric Drives
and Controls

Hydraulics

Linear Motion and
Assembly Technologies

Pneumatics

Service

Rexroth
Bosch Group

Electric amplifiers

RE 30041/02.12
Replaces: 01.11

1/6

Type VT-VRRA1-5...-2X/V0
Type VT-VRPA1-5...-2X/V0

Component series 2X

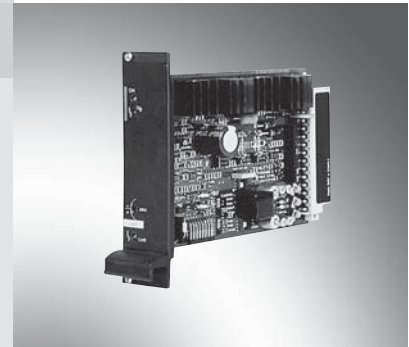


Table of contents

Contents

Features	
Ordering code, accessories	
Front plate	
Block diagram with pin assignment	
Technical data	
Unit dimensions	
Project planning / maintenance instructions / additional information	

Features

Page	
1	– Suitable for controlling direct operated high-response valves with linear characteristic curve and position feedback (LvdT-DC/DC)
2	– Analog amplifiers in Europe format for installation in 19" racks
2	– Controlled output stage
3	– Enable input
4	– Outputs short-circuit-proof
5	– Adjustment possibilities – Zero point valve
5	– Cable break detection for actual value cable
5	– Position control with PID behavior

Notice:

The photo shows an example configuration.
The delivered product differs from the figure.

Ordering code, accessories

VT-	V	R		A	1	-	-2X/V0
Hydraulic component							
For valves with electrical feedback		= R					
Valve type							
p/Q high-response valve		= P					
High-response valve		= R					
Control							
Analog				= A			
						Customer version	
						Catalog version	
						V0 =	
						2X =	
						Component series 20 to 29 (20 to 29: Unchanged technical data and pin assignment)	
						Serial number for types	
				527 =		Size 6	
				537 =		Size 10	

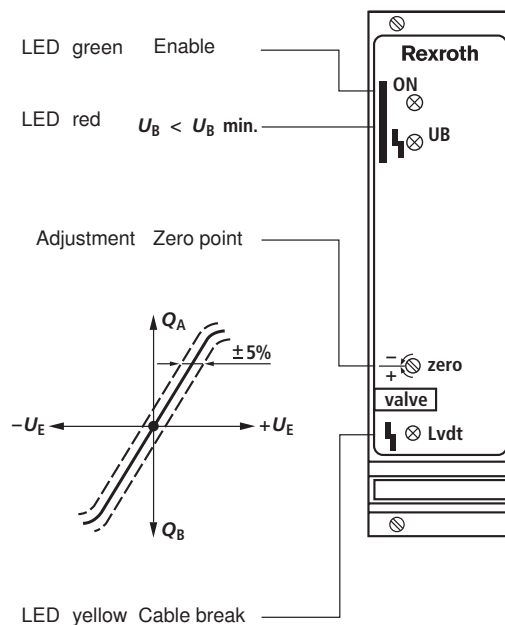
Preferred types

Amplifier type	Material number	For high-response valves with electrical position feedback
VT-VRR1-527-20/V0	0811405060	4WRPH6...L-2X
VT-VRR1-537-20/V0	0811405061	4WRPH10...L-2X
VT-VRPA1-537-20/V0	0811405062	5WRP10...L-2X

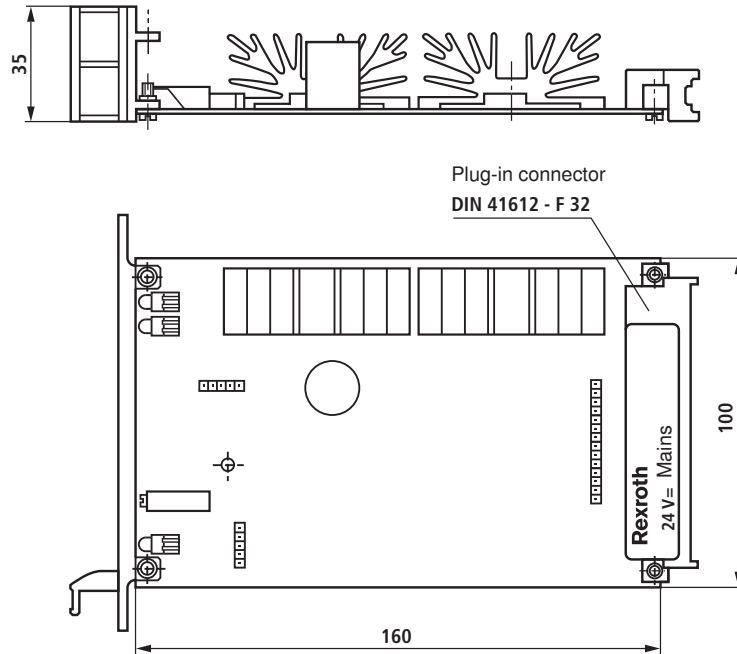
Suitable card holder:

- Open card holder VT 3002-1-2X/32F
(see data sheet 29928).
Only for control cabinet installation!

Front plate



Unit dimensions (dimensions in mm)



Project planning / maintenance instructions / additional information

- The amplifier card may only be unplugged and plugged when de-energized.
- The distance to aerial lines, radios and radar systems must be sufficient (> 1 m).
- Do not lay solenoid and signal lines near power cables.
- For signal lines and solenoid conductors, we recommend using shielded cables.
The cable shield must be connected to the control cabinet extensively and as short as possible.
- The valve solenoid must not be connected to free-wheeling diodes or other protective circuits.
- The cable lengths and cross-sections specified on page 4 must be complied with.

Notes

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