# Rexroth VT-VSPA1-1-F10

### Complete Product Information

Mannesmann Rexroth VT-VSPA1-1-F10 is a plug-in proportional-valve amplifier card for a single-solenoid hydraulic pressure-valve control system.

## 01 Product role and installed system

The offered card carries the Mannesmann Rexroth VT-VSPA1-1-F10 marking, material number 00033823 and revision R09. Its front panel has the H2 ready indicator, Gw maximum-command control, separate ramp controls and measuring sockets.

The Rexroth 1X family document describes an amplifier for proportional pressure valves with one solenoid and no electrical position feedback. It gives the shared 24 V DC supply and 32-pole card-connector arrangement for VT-VSPA1-1.

The F10 card belongs to an installed hydraulic control loop. Match the valve, input-signal mode, DIL-switch positions and ramp settings to that loop before commissioning.

The F10 marking and revision remain part of the purchase identity. An adjacent VT-VSPA1-1 code should only be considered after a documented equipment-level comparison.

| | |
|---|---|
| Nameplate marking | VT-VSPA1-1-F10 |
| Nameplate material number | 00033823 |
| Nameplate revision | R09 |
| Amplifier family | VT-VSPA1-1, component series 1X |

## 02 Technical capability map

| | |
|---|---|
| Nameplate marking | VT-VSPA1-1-F10 |
| Nameplate material number | 00033823 |
| Nameplate revision | R09 |
| Amplifier family | VT-VSPA1-1, component series 1X |
| Control application | Proportional pressure valve with one solenoid |
| Supply, series data | 24 V DC (+40% / -5%) |
| Connector, series data | 32-pole DIN 41612 card connector with front plate |
| Command inputs, series data | Voltage/current-selectable differential input and +9 V input |
| Ramp, series data | Separate upward and downward ramp adjustments |
| Indication | H2 ready-for-operation LED on front plate |

### Scope of the published data

The supplied nameplate establishes the complete F10 identity, material number, revision and German origin. Rexroth RD 30 111/03.98 supplies VT-VSPA1-1 series 1X data; application settings depend on the installed valve and card.

## 03 Application and commissioning map

### Applications

#### Hydraulic pressure control

Use the VT-VSPA1-1 amplifier family in a documented one-solenoid proportional pressure-valve loop.

#### Rack replacement

Retain the 32-pole connector form and front-panel arrangement when comparing the offered card.

#### Commissioning

Verify command input, valve response and ready indication against the installed hydraulic system.

#### Valve-loop service

Keep the full F10 and R09 identity with the valve, rack wiring and saved switch settings.

### Product precautions

#### Isolation

De-energize the card supply and hydraulic actuator control before removal.

#### Signal mode

Verify voltage/current input selection before energizing the replacement.

#### Valve match

Check the valve type and installed switch positions before transferring settings.

#### Supply

Verify the 24 V DC card supply and rack polarity before insertion.

#### Settings

Record command mode, DIL switches, Gw and both ramp controls before removing the old card.

#### Functional test

Check H2 ready status, command tracking and valve response under the site procedure.

## 04 Model-specific engineering questions

### What is the function of VT-VSPA1-1-F10?

It is a VT-VSPA1-1-family amplifier card for controlling a one-solenoid proportional pressure valve. Match the valve and settings to the installed system.

### Which marking identifies the offered VT-VSPA1-1-F10?

The supplied nameplate reads VT-VSPA1-1-F10, material number 00033823 and revision R09.

### What supply does the VT-VSPA1-1 series specify for VT-VSPA1-1-F10?

The Rexroth 1X series document specifies 24 V DC with a +40% / -5% operating tolerance; verify the installed supply and card marking before connection.

### What connector arrangement is documented for the VT-VSPA1-1 family of VT-VSPA1-1-F10?

The VT-VSPA1-1 form uses a 32-pole card connector and front plate. Check the rack slot, wiring and complete card marking.

### How are pressure-valve command signals handled by VT-VSPA1-1-F10?

The family document describes a differential command input selectable between voltage and current modes, plus an additional +9 V command input. Set the switches for the installed signal source.

### What do the two front ramp controls on VT-VSPA1-1-F10 do?

The VT-VSPA1-1 front panel has separate upward and downward ramp adjustments. Transfer the installed settings only after confirming the valve application.

### What does the H2 indicator on VT-VSPA1-1-F10 represent?

The H2 front LED indicates ready-for-operation status in the documented VT-VSPA1-1 arrangement; verify the input and solenoid circuit if it is not ready.

### Can another VT-VSPA1-1 variant automatically replace VT-VSPA1-1-F10?

No. Preserve the complete F10 marking, material number, card revision, valve pairing and switch configuration when choosing a replacement.

## 05 Lifecycle, offered unit and sources

### Lifecycle status

**VT-VSPA1-1-F10:** A current manufacturing and support phase for this complete F10 marking is not established.

**Support and replacement:** Request current replacement guidance for the complete VT-VSPA1-1-F10 marking and R09 revision, with the installed valve and rack details.

**Availability:** Apter Power quotation availability is separate from manufacturer lifecycle status.

### Available unit details

**Offered reference:** Rexroth VT-VSPA1-1-F10. Condition: New, original product.

**Identity check:** The supplied nameplate establishes the complete F10 identity, material number, revision and German origin. Rexroth RD 30 111/03.98 supplies VT-VSPA1-1 series 1X data; application settings depend on the installed valve and card.

**Included items:** Confirm the amplifier card, front plate, connector condition and included accessories in the quotation.

### Technical reference

Mannesmann Rexroth, Electrical Amplifiers VT-VSPA1-1 and VT-VSPA1K-1, RD 30 111/03.98

### Related catalog references

Portfolio navigation only. Verify every proposed configuration separately.

**Rexroth VT-5006**

### Discuss the complete reference

Rexroth VT-VSPA1-1-F10

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