

Electric Drives
and Controls

Hydraulics

Linear Motion and
Assembly Technologies

Pneumatics

Service

Rexroth
Bosch Group

External control electronics (variant) for SYDFE1 adjustment of the axial piston pump A10VSO

RE 30242-01/10.11 1/2

Type VT 5041-3X/V11V, VT 5041-3X/V12V

Component series 3X

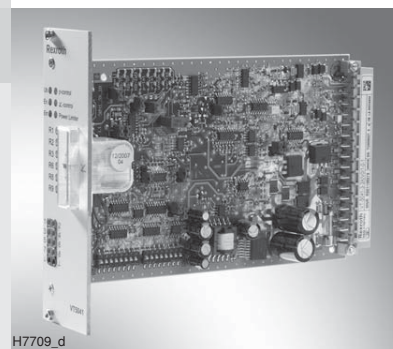


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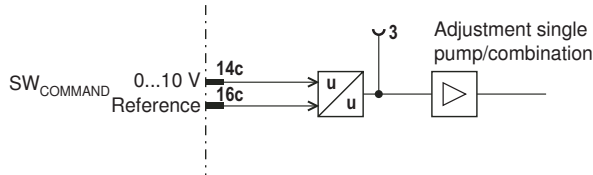
Features

- Variation from standard control electronics:
 - Changed mode of operation of the control at the swivel angle command value input on the swivel angle of the pump (command value adjustment single pump/combination)
- Compatibility of the command value adjustment:
 - VT 5041-3X/V11V is compatible with VT 5041-2X/1-1V and VT 5041-2X/1-1C
 - VT 5041-3X/V12V is compatible with VT 5041-2X/1-2V and VT 5041-2X/1-2C
- Except for the variations described here, data sheet 30242 is valid.

Function VT 5041-3X/V11V

Command value adjustment compatible with VT 5041-2X/1-1V and VT 5041-2X/1-1C

Modification of the function SW_{command} adjustment single pump/combination:



Mode of operation of the "Adjustment combination" function:

0 V input voltage corresponds to -68 % swivel angle specification
10 V input voltage corresponds to 110 % swivel angle specification

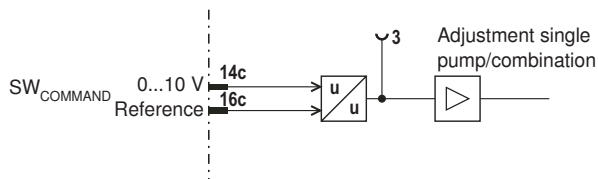
Notices:

- "Adjustment single pump" function (regenerative operation OFF) is not available
- J3 = OFF and J5 = OFF (must not be changed)
- Compatibility with VT 5041-2X/1-1C can be set by the "Actual pressure value signal adjustment" (set switch S2 to configuration "C", 4 to 20 mA), see data sheet 30242, page 8

Function VT 5041-3X/V12V

Command value adjustment compatible with VT 5041-2X/1-2V and VT 5041-2X/1-2C

Modification of the function SW_{command} adjustment single pump/combination:



Mode of operation of the "Adjustment combination" function:

0 V input voltage corresponds to -45 % swivel angle specification
10 V input voltage corresponds to 102 % swivel angle specification

Notices:

- "Adjustment single pump" function (regenerative operation OFF) is not available
- J3 = OFF and J5 = OFF (must not be changed)
- Compatibility with VT 5041-2X/1-2C can be set by the "Actual pressure value signal adjustment" (set switch S2 to configuration "C", 4 to 20 mA), see data sheet 30242, page 8

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