

Declaration on environmental compatibility in the field of EMC¹⁾ and climate

RE 29014-U/04.06

1/4

Type STW 0195 and STW 0196

3-way proportional directional valve, direct operated with, pQ-functionality

Description of the product

- Direct operated 3-way proportional directional valve with integrated digital electronic and integrated pressure sensor.
- Integrated Axis Controller for pressure control in port A and Fieldbus interface.

Features:

- Open-loop flow control
- Closed-loop pressure control
- p/Q-Functionality

¹⁾ as defined by EMC dated 30th August 1995 and Directive 89/336/EEC

The above mentioned products comply with the following basic standards

1. EMC (electromagnetic compatibility)

EN 61000-6-2:2001	VDE 0839 part 6-2	Field basic standard	Interference immunity
EN 61000-4-2:1995 +A1:1998 +A2:2000 IEC 1000-4-2	VDE 0847-4-2	ESD (electrostatic discharge)	Air discharge up to: Severity 4 / assessment criterion A Contact unloading: Severity 4 / assessment criterion A
EN 61000-4-3:1996 +A1:1998 +A2:2001 IEC 1000-4-3	VDE 0847-4-3	HF-Fields	Severity grade 3 / assessment criterion A 10 V/m, 80...1000 MHz Severity grade 3 / assessment criterion A 10 V/m, 1 ...2.5 GHz
EN 61000-4-4:2004 IEC 1000-4-4	VDE 0847-4-4	BURST (transient interference)	Repetition rate 5 KHz Power supply: Severity grade 3 / assessment criterion A Data lines up to: Severity grade 4 / assessment criterion A Repetition rate 100 KHz Power supply: Severity grade 3 / assessment criterion A Data lines up to: Severity grade 4 / assessment criterion A
EN 61000-4-5:1995 +A1:2001 IEC 1000-4-5	VDE 0847-4-5	SURGE (surge voltage)	Power supply : Severity grade 1 / assessment criterion A
EN 61000-4-6:1996 +A1:2001 IEC 1000-4-6	VDE 0847-4-6	HF-Fields, conducted interference	Severity grade 3 / assessment criterion A

EN 61000-6-4:2001	VDE 0839 part 6-4	Field basic standard	Interference emitted
EN 55011:1998 A1:1999+A2:2002	VDE 0875-11	Emission Interference voltage	Class A / 0.15...30 MHz

EN 61000-6-3:2001	VDE 0839 part 6-3	Field basic standard	Interference emitted
EN 55022:1998 A1:2000+A2:2003	VDE 0878-22	Emission Interference voltage	Class B* / 0.15...30 MHz * with power supply VT-NE40 used (Mat.-No. R900782039)
EN 55022:1998 +Corr2001+A1:2000	VDE 0878-22	Emission noise field strength	Class B / 30...1000 MHz

2. Climate

EN 60068-2	IEC 68-2		Environmental test
EN 60068-2-1:1994		Cold test	2 cycles –25 °C dwell time 2 hours
EN 60068-2-2:1993		Dry heat test	2 cycles +65 °C dwell time 2 hours
EN 60068-2-1:1994 EN 60068-2-2:1993		Storage temoerature	–25 °C dwell time 16 hours +85 °C dwell time 16 hours
	IEC 68-2-14:1986	Temperature cycle	2 cycles –25 °C to +65 °C dwell time 3 hours at min./max. temperature
	IEC 68-2-30:1985	Damp heat, cyclical	Variant 2 +25 °C to +55 °C 93 % to 97 % relative humidity 2 cycles of 24 hours

3. Protection test (IP)

EN 60529	DIN VDE 0470 Part 1, Point 14		Protection test (IP)
EN 60529:1991	DIN VDE 0470, part 1	International Protection	X5 water jet protected with mounted and bolted cable connectors