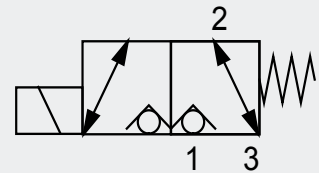


3/2-Way Miniature Pilot Poppet Valve SMSV6



Directly operated, electrically actuated
 Max. operating pressure 315 bar
 Max. flow rate up to 2 l/min
 for pilot functions



080210_SMSV6
 01.2016

Table of contents

Contents	Page
Characteristics	1
Technical data	2
Dimensions	3
Type code	4
Miscellaneous	4

Characteristics

- Tight fitting directional valve in spool design
- Suitable for pilot functions
- Compact dimensions (magnet edge length 25 mm)
- Maintenance-free

Technical data*Hydraulic characteristics*

Max operating pressure:	315 bar
Rated flow rate:	2 l/min
Flow direction:	See symbols
Operating fluids:	Mineral oils according to DIN 51524, others on request
Viscosity range:	3 - 400 cSt
Filtration:	Oil purity according to ISO 4406 (1999) 18/16/13, filter with $\beta_{5(c)} > 200$

Mechanical characteristics

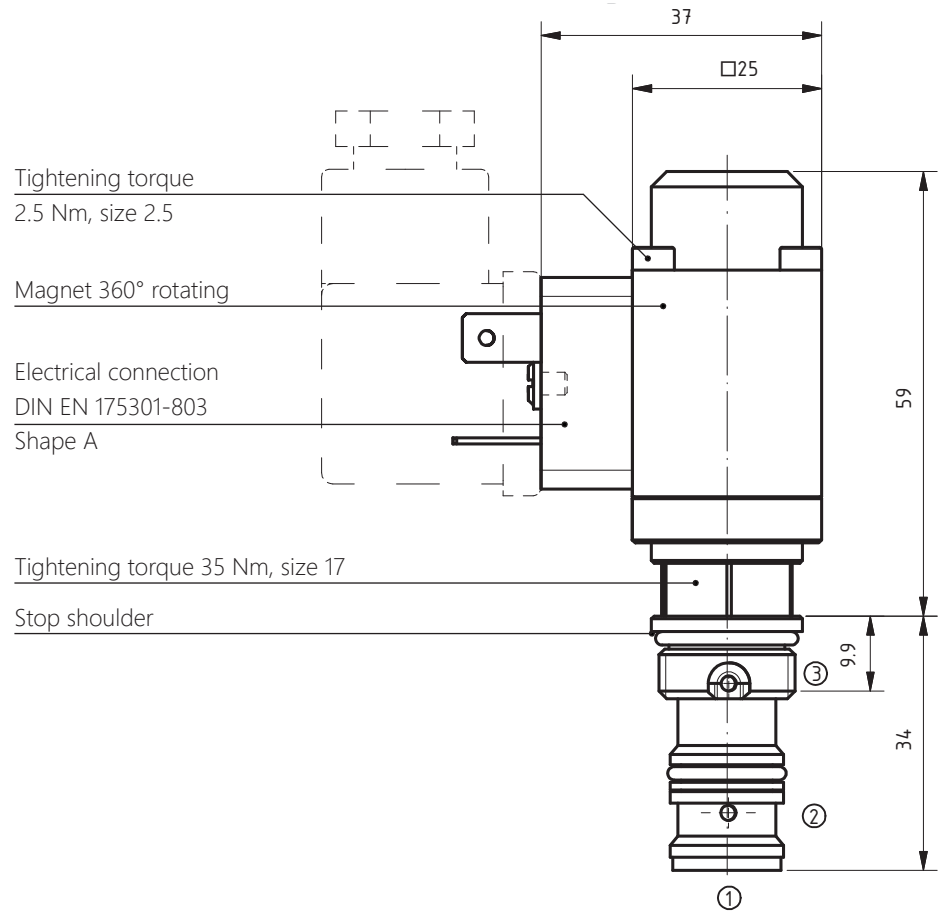
Design:	Screw-in valve
Size:	6
Fluid temperature:	-10 °C to +80 °C
Ambient temperature:	-20 °C to +50 °C
Storage temperature:	-30 °C to +60 °C (non-condensing)
Installation position:	Any
Weight:	1.20 kg
Materials:	Valve parts: Steel Seals: NBR, optional Viton, backup rings: PU, Teflon
Surface protection:	Exterior parts: burnished Solenoid: galvanized

Electrical characteristics

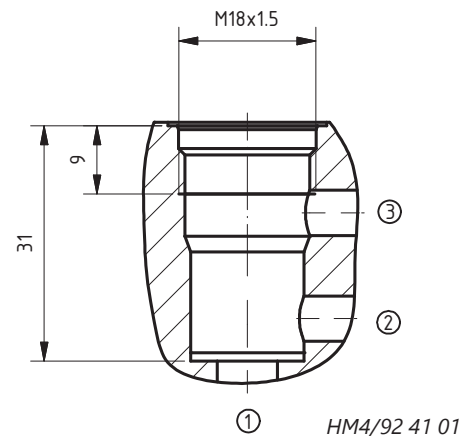
Rated voltage:	12 V DC, 24 V DC
Rated solenoid current:	2 A (12 V), 1 A (24 V)
Rated resistance (R20):	5.9 Ω (12 V), 24 Ω (24 V)
Max. power consumption:	24 W
Power-on time:	100% PO
Protection class:	IP65 with a correctly installed wiring box
Electrical connection:	Device plug in accordance with DIN EN 175301-803 (formerly DIN 43650) shape B, unterminated wire
Control units:	See section 6, "Electronics and Sensors" at www.weber-hydraulik.com

Dimensions

*Screw-in valve
SMSV6*



Cavity SMSV6



NOTE A detailed drawing of the cavity is provided in section 12, "General information" under the "Valve Cavities and Port patterns" section at www.weber-hydraulik.com.

Type code

SMSV6-3/2	-	X	-		-		-	
3/2-way pilot poppet valve		Revision		Rated voltage		Electrical connection		Seal
				12 V DC	12 V			NBR
				24 V DC	24 V			Viton
						DIN		V
						Unterminated wire, 360 mm	K	

Miscellaneous*Accessories/spare parts***Article:****Article number:**

Socket DIN EN 175301-803 (formerly DIN 43650), shape B, black	149.0005
Socket DIN EN 175301-803 (formerly DIN 43650), shape B, gray	149.0004
Adapter plug DIN EN 175301-803 (formerly DIN 43650), shape B to shape A	109.0006
Seal kit SMSV6 (NBR)	405.0008
Seal kit SMSV6 (Viton)	405.0110

NOTE

For appropriate electronic controllers, see section 6, "Electronics and Sensors" at www.weber-hydraulik.com

Operating manual

Information regarding assembly, commissioning and maintenance is available in our product catalog in section 12, "General information" in the "General Operating Manual, Hydraulics" category or on request.