TECHNICAL DATA SHEET

**Two-way miniature solenoid solenoid valve socket
ELEPHANT - DHSM31
DN6-15 (1/8''-1/2'') direct acting
normally closed type, with coil 220V/24V**

GENERAL PRODUCT INFORMATION

Product name: Two-way miniature solenoid valve ELEPHANT - DHSM31 DN6-15 (1/8"-1/2") direct acting normally closed type, with 220V/24V coil.

Purpose: In a normally closed solenoid valve, the closed position is maintained if no control voltage is applied to its induction coil. When voltage is applied to the coil, the normally closed valve opens and allows the medium to flow through. When the control voltage is switched off, the valve closes automatically and blocks the medium flow in the pipeline.

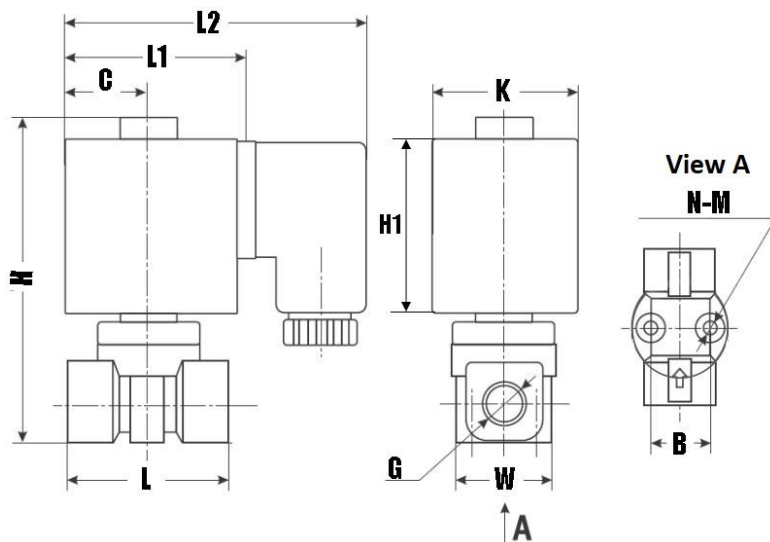The DHSM31 valve is used in systems with low pressure from 0 bar.

BASIC TECHNICAL DATA AND CHARACTERISTICS

Nominal diameter DN, mm (inch)	6 – 15 (1/8"-1/2")
Working pressure PN, MPa (kg/cm2)	0…1,6 (0…16)
Media temperature t, ⁰C	-10 to +80: NBR -10 to +150: VITON -10 to +120: EPDM
Process medium	Hot and cold water, liquid media, steam, air, gaseous media, light oils (viscosity $\leq$ 20cSt)
Operating principle	direct
Device type	Normally closed
Piping connection	threaded threaded
Thread type	G
Coil supply	AC220V or DC24V
Housing material	Brass/steel 316/PA66 (nylon)
Sealing	NBR/VITON/EPDM
Protection class	IP65
Coil insulation class	F
Coil type	• Normal • Low power (*option)
Coil construction	With DIN connectors
Suitable coil models	• S21B (24VA(AC), 17W(DC), IP65, full encapsulation) • S91B (22VA(AC), 17W(DC), IP65, full encapsulation) • SA11B (9VA(AC), 6W(DC), IP65, full encapsulation)

BASIC VALVE DIMENSIONS

DN	mm	6			8					10					15
Ø aisle	inch	1/8"			1/4"					3/8"					1/2"
Ø holes		1.6	2.5	3.0	2.5	3.0	3.5	4.0	4.5	4.0	4.5	5.0	6.0	8.0	10.0
L	mm	40			40					42					-
L1		47.5			47.5					47.5					47.5
L2		75			75					75					-
H		77			77					85					-
H1		40.5			40.5					40.5					40.5
W		25			25					25					-
C		22.5			22.5					22.5					-
K		36.2			36.2					36.2					36.2
G		G1/8			G1/4					G (NPT)					-
B		16			16					16					-
N-m		2-M4			2-M4					2-M4					-
Ø coil stem		14.5			14.5					14.5					14.5
Weight	kg	0.38			0.41					0.5					0.48

BASIC VALVE PARAMETERS

Model	DN (mm)	G (inch)	Ø sections (mm)	Throughput (m3/hour)	Working pressure (MPa) Minimum pressure (bar)	Maximum pressure (AC)	Maximum pressure (DC)	Coil power Normal coil (VA AC 220V)	Normal coil (W DC 24V)	Low power coil (VA AC 220V)	Low power coil (W DC 24V)
DHSM31-016-06	6	1/8"	1.6	0.11	0	1.6	1.6	22	17	3	3
DHSM31-025-06			2.5	0.18	0	1.2	1.2	22	17	3	3
DHSM31-030-06			3.0	0.3	0	1.0	1.0	22	17	3	3
DHSM31-025-08	8	1/4"	2.5	0.18	0	1.2	1.2	22	17	3	3
DHSM31-030-08			3.0	0.3	0	1.0	1.0	22	17	3	3
DHSM31-035-08			3.5	0.34	0	0.8	0.8	22	17	3	3
DHSM31-040-08			4.0	0.5	0	0.6	0.6	22	17	3	3
DHSM31-045-08			4.5	0.61	0	0.4	0.4	22	17	3	3
DHSM31-040-10	10	3/8"	4.0	0.5	0	0.6	0.6	22	17	3	3
DHSM31-045-10			4.5	0.61	0	0.4	0.4	22	17	3	3
DHSM31-050-10			5.0	0.71	0	0.3	0.3	22	17	3	3
DHSM31-060-10			6.0	0.80	0	0.3	0.3	22	17	3	3
DHSM31-080-10			8.0	1.24	0	0.1	0.1	22	17	3	3
DHSM31-100-15	15	1/2"	10.0	1.72	0	0.1	0.1	22	17	3	3

WARRANTY PERIOD

Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

The warranty does not apply:

- – parts and materials of the product subject to wear and tear
- – for cases of damage caused by:
    - violations of the product storage, installation, testing, operation and maintenance specifications;
    - improper transportation and handling operations;
    - the presence of traces of exposure to substances aggressive to the product materials;
    - presence of damage caused by fire, elements, force majeure circumstances;
    - damage caused by incorrect actions of the consumer;
    - traces of tampering with the design of the product.

SALES MARK

№	Product Name	Packs

Date of Sale: _____

L.S.

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