

# Series KNX-55

Electrically operated stainless steel valves, 3/2- and 5/2-way acc. to NAMUR  
G1/4 • 1050 to 1280 NI/min (1.067 to 1.301 Cv)



## Order code

KNX-55-311-HN-F42

Series and function

Coil options<sup>1)</sup>

### Standard coil<sup>2)</sup>

**HN at ports 2 + 4**  
**F42** 24 V DC, 4.2 W

**HN at ports 1, 3 + 5**  
**F12**

### Without coil and plug socket

**HN at ports 2 + 4**  
**F70** Power consumption 4.2 W

**HN at ports 1, 3 + 5**  
**F00**

<sup>1)</sup> HN = Manual override. It can be repositioned by 180°. Manual override (HN) is on the side of ports 2 and 4 by default. It can be easily repositioned by 180° (side of ports 1, 3 and 5).

<sup>2)</sup> Plug socket(s) not included in scope of delivery (see page down).

## Design, function and technical data

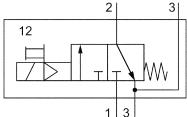
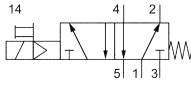
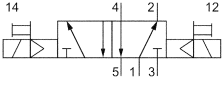
Spool valve for single acting and double acting actuators switched by an electrical signal.

The exhaust air is guided into the spring chamber of the actuator. The locating pin, screws and seals are included.

For outdoor applications or in areas with high humidity use coil 23-SP-011-1 or 23-SP-012-1 (see page 4.280).

Please specify required control voltage when ordering.

Valves of this series are available in explosion proof design in accordance with 2014/34/EU (ATEX). For further details see chapter 13 of this catalogue.

Order number Please complete according to order code.	KNX-55-311-HN	KNX-55-511-HN	KNX-55-520-HN
Function	 3/2-way, normally closed single solenoid, spring return	 5/2-way single solenoid spring return	 5/2-way double solenoid
Connection	G 1/4 at 1 and 3; flange to NAMUR at 2 and 3	G 1/4 at 1, 3 and 5; flange to NAMUR at 2 and 4	
Nominal size	6 mm		
Flow rate	1280 NI/min (1.301 Cv)	1060 NI/min (1.077 Cv)	1050 NI/min (1.067 Cv)
Pressure range	3 ... 10 bar (43.5 ... 145 psi)		
Actuating force at 6 bar	on 13 ms off 47 ms	on 12 ms off 74 ms	14 ms
Temperature range	- 30 °C ... + 80 °C (- 22 °F ... + 176 °F)		
Materials	Body: 1.4571, Inner parts: 1.4305, Seals: PU, NBR		
Degree of protection	IP 65 according to EN 60529		
Medium	Compressed air in accordance with ISO 8573-1: 2010, Class 7:2:4 – and free of aggressive additives. T <sub>MEDIUM</sub> - 30 °C ... + 50 °C (- 22 °F ... + 122 °F)		
Weight	0.670 kg (1.477 lbs.)	0.660 kg (1.455 lbs.)	0.720 kg (1.587 lbs.)

## Accessories for series KNX-55, KMX-09, KMX-10, ICK-09, ICK-10 and ICKN-55

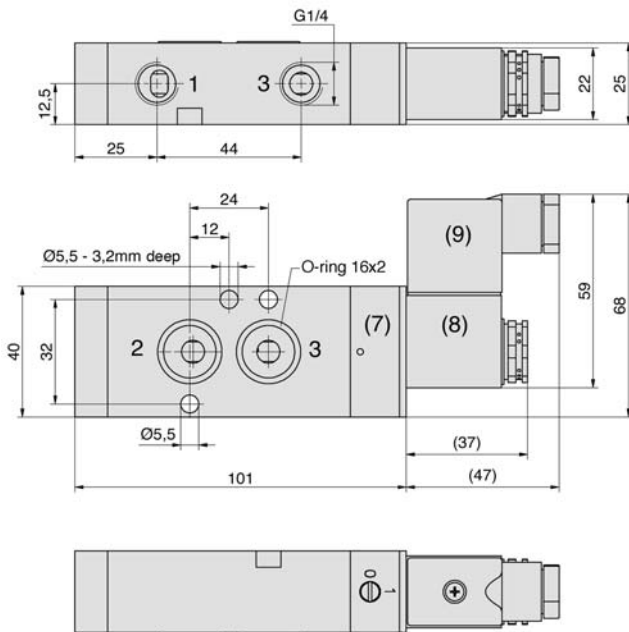
Plug sockets	<b>28-ST-01</b>	Standard plug socket	page 4.283
	<b>28-ST-04-...</b>	Plug socket with LED	page 4.283
	<b>28-ST-06-...</b>	Plug socket with LED and circuit protection	page 4.283
	<b>28-ST-06-K3-...</b>	Plug socket with LED, circuit protection and cable	page 4.283
Actuator	<b>23-R-060</b>	Actuator in stainless steel and for low temperature	

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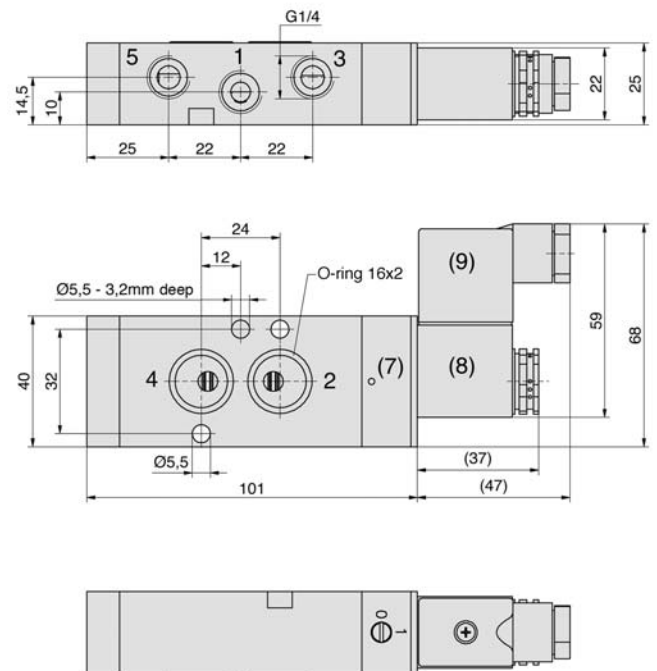


## KNX-55-311-HN



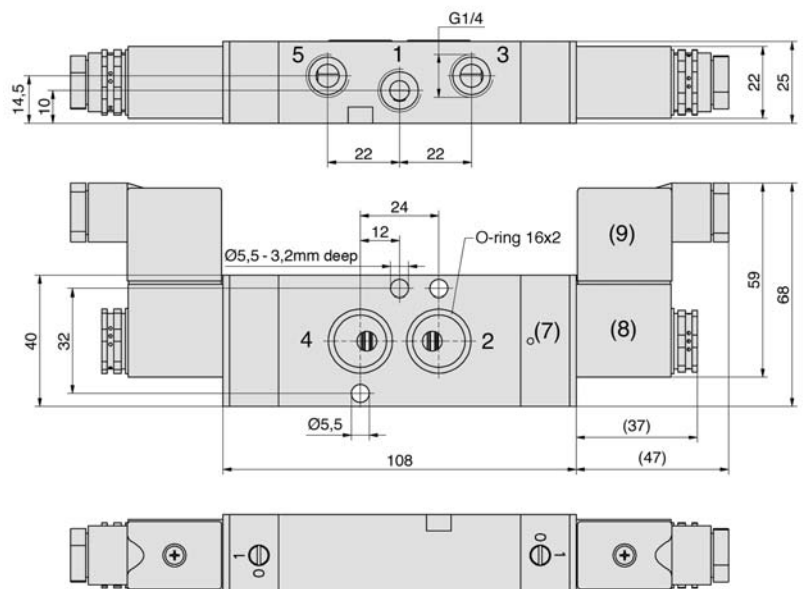
- 1 = pressure inlet
- 2 = outlets
- 3 = exhausts
- (7) = manual override (detent)  
can be repositioned by 180°
- (8) = solenoid coil can be repositioned 4 x 90°
- (9) = plug socket can be repositioned by 180°

## KNX-55-511-HN



- 1 = pressure inlet
- 2, 4 = outlets
- 3, 5 = exhausts
- (7) = manual override (detent)  
can be repositioned by 180°
- (8) = solenoid coil can be repositioned 4 x 90°
- (9) = plug socket can be repositioned by 180°

## KNX-55-520-HN



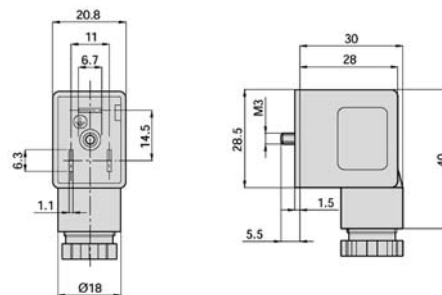
- 1 = pressure inlet
- 2, 4 = outlets
- 3, 5 = exhausts
- (7) = manual override (detent)  
can be repositioned by 180°
- (8) = solenoid coil can be repositioned 4 x 90°
- (9) = plug socket can be repositioned by 180°

# Accessories for electrically operated valves

## Plug sockets for coil



**Plug sockets pursuant to DIN EN 175301-803 Shape B**  
(2pol. + PE, 21 x 28 mm, Contact distance 11 mm)



Order number	28-ST-01	28-ST-04-112	28-ST-04-127	28-ST-06-112	28-ST-06-127	28-ST-06-K3-112	28-ST-06-K3-127
Standard voltage	all	24 V DC	230 V AC	24 V DC	230 V AC	24 V DC	230 V AC
Protective circuit	no	no	no	yes	yes	yes	yes
Status indicator	without	yes	yes	yes	yes	yes	yes
Degree of protection	IP 65 pursuant to EN 60529 requires a flat gasket						
Connecting cable	without					3 m	3m
Ø Connecting cable	6 – 8 mm					–	–
Max. wire cross section	1,5 mm <sup>2</sup>					–	–
for coil	23-SP-011, 23-SP-011-1						