

# 26220, 4/2

## Indirect solenoid actuated spool valves



- > Port size: G1/8 & G1/4
- > Standard manual override with detent
- > Compact design
- > Common exhaust line

### Technical features

#### Medium:

Compressed air, filtered lubricated or non lubricated

#### Operation:

Solenoid operated, indirectly actuated seat valves

#### Operating pressure:

max. 10 bar (145 psi)

#### Nominal size:

4 and 7 mm

#### Port size:

G1/8, G1/4

#### Mounting position:

Any, but preferably with solenoid vertical

#### Flow direction:

Fixed

#### Ambient/Media temperature:

-10 ... +60°C (+14 .. +140°F)

Depending on solenoid system

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

If installed in the open protect all connections against the penetration of moisture!

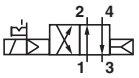
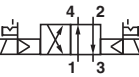
#### Material:

Housing: Aluminium

Pilot flange : Plastic (PBT)




Seals: NBR

### Technical data

Symbol	Port size	Orifice (mm)	Actuation/ return	Operating ressure		Flow (l/min)	Switching time		Manual override	Current draw (W)	Weight (kg)	Dimension No.	Model *1)
				Min. (bar)	Max. (bar)		On (ms)	Off (ms)					
	G1/8	4	Solenoid/air spring	1,5	10	700	20	20	Standard	< 5	0,30	1	2622000
	G1/8	4	Solenoid/air spring	2	8	700	19	62	Standard	< 2	0,30	1	2622001
	G1/4	7	Solenoid/air spring	1,5	10	1400	24	27	Standard	< 5	0,39	1	2622200
	G1/4	7	Solenoid/air spring	2	8	1400	23	75	Standard	< 2	0,39	1	2622201
	G1/8	4	Solenoid/Solenoid	1,5	10	700	11	12	Standard	< 5	0,40	2	2622100
	G1/8	4	Solenoid/Solenoid	2	8	700	13	14	Standard	< 2	0,40	2	2622101
	G1/4	7	Solenoid/Solenoid	1,5	10	1400	24	27	Standard	< 5	0,62	2	2622300
	G1/4	7	Solenoid/Solenoid	2	8	1400	24	27	Standard	< 2	0,62	2	2622301

\*1) When ordering please indicate solenoid, voltage and current type (frequency).

## Solenoid actuators

	Power consumption		Rated current		Protection class	Ex-Protection (ATEX-Category)	Temperature Ambient/ Media (°C)	Electrical connection	Weight (kg)	Drawing No.	Circuit diagram No.	Model
	24 V d.c. (W)	230 V a.c. (VA)	24 V d.c. (mA)	230 V a.c. (mA)								
	1,8	—	70	—	IP65 (with connector)	—	-15 ... +50	Connector DIN EN 175301-803, form B *2)	0,1	11	1	3050
	4,8	8,5	70	—	IP65 (with connector)	—	-15 ... +50	Connector DIN EN 175301-803, form B *2)	0,1	11	1	3052
	4,4	8,0	190	—	IP65 (with connector)	—	-15 ... +50	Connector DIN EN 175301-803, form A *2)	0,1	12	1	3030
	1,6	—	30	—	IP65 (with connector)	—	-15 ... +50	Connector DIN EN 175301-803, form A *2)	0,1	12	1	3036
	5,0	—	210	—	IP65 (with connector)	II 2 G Ex mb IIC T4/T5 Gb II 2 G Ex mb IIC T4 Gb II 2 D Ex mb tb T130°C Db	-20 ... +50	Cable length 3 m	0,3	13	15	3060
	—	5	—	22	IP65 (with connector)	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb tb T130°C Db	-20 ... +50 *3)	Cable length 3 m	0,3	13	15	3061
	2,7	—	115	—	IP65 (with connector)	II 2 G Ex mb IIC T5 Gb II 2 D Ex mb tb T95°C Db	-20 ... +50 *3)	Cable length 3 m	0,3	13	14	3062
	—	2,1	—	9	IP65 (with connector)	II 2 G Ex mb IIC T5 Gb II 2 D Ex mb tb T95°C Db	-20 ... +50 *3)	Cable length 3 m	0,3	13	15	3063



Standard voltages ( $\pm 10\%$ ) 24 V d.c., 230 V a.c., other voltages on request.

\*2) Connector is not scope of delivery, see table »Accessories«.

\*3) With battery assembly max. +40°C (+104°F).

Model	Approvals			Datasheet
	ATEX	IECEX	FM	
306x	PTB 03 ATEX 2015	—	—	en 71.560
307x	EC-Declaration of Conformity	—	—	en 71.565

## Accessories

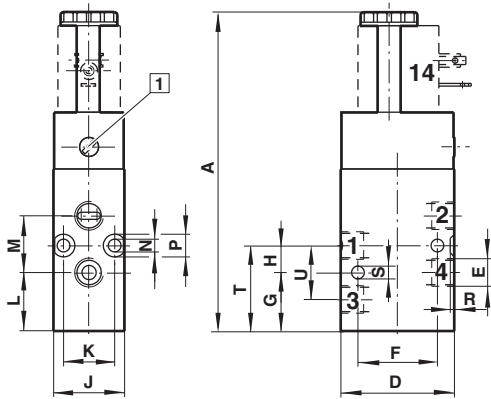
Connector DIN EN 175301-803	Silencer *4)
	
0570275 (Form A)	M/S1 (G1/8)
0680003 (Form B)	M/S2 (G1/4)

\*4) For indoors use only

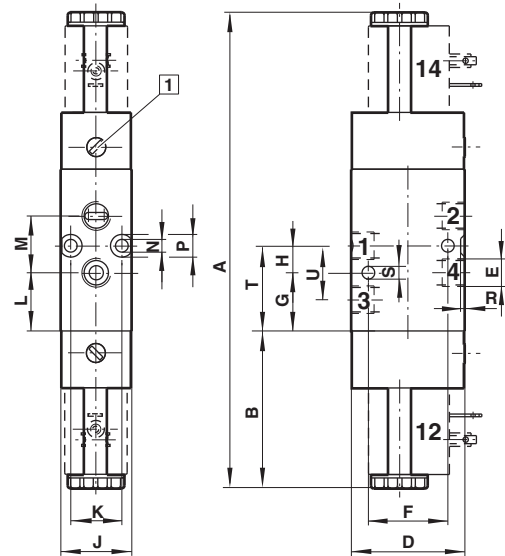
## Dimensions

Dimensions in mm  
Projection/First angle

1



2



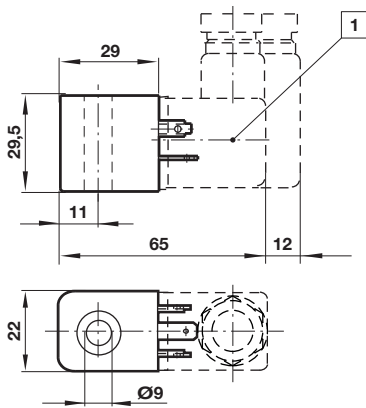
1 Manual override

Nr.	A	B	D	E	F	G	H	J	K	L	M	øN	øP	R	øS	T	U	Model *5)
1	112,5	—	40	G 1/8	28	20,5	9,5	25	18	20,5	20	4,5	8	2	4,5	30	19	26220
1	127,5	—	55	G 1/4	32	28,5	12	30	23	38,5	24	4,5	—	—	5,5	40,5	29	26222
2	172	54	40	G 1/8	28	25	9,5	25	18	25	20	4,5	8	2	4,5	34,5	19	26221
2	191	56,5	55	G 1/4	32	26	12	30	23	36	24	4,5	—	—	5,5	38	29	26223

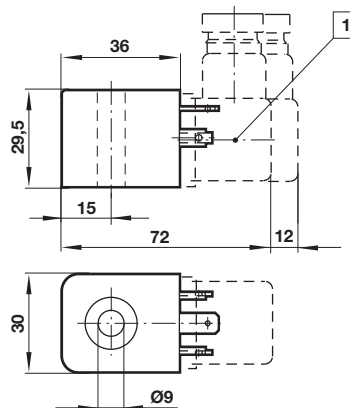
\*5) When ordering please indicate solenoid, voltage and current type (frequency).

## Solenoids

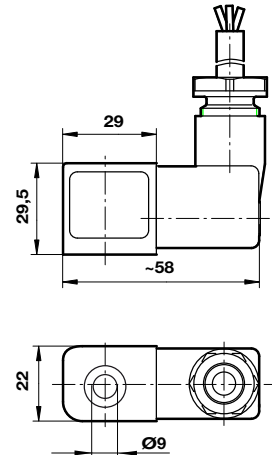
11



12



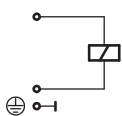
13



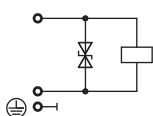
1 Connector can be indexed by 4x90°

## Circuit diagrams

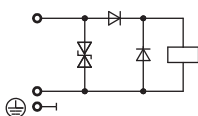
1



14



15



## Silencer Typ: M/S2, M/S4

Dimensions in mm  
Projection/First angle



B	C	G	Ø D	Weight (g)	Model
G1/8	34	6,5	12,5	1,7	M/S1
G1/4	42,5	8	15,5	3,5	M/S2

### Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.