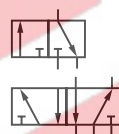


For single and double operated actuators
Standard manual override with detent
Simple design of soft spool seal system
Compact design, high flow rate
Easily interchangeable solenoid system
Maintenance-free
Exhaust air recirculation
Valves and solenoids are ATEX approved
(see table)



Approval depends on magnetic system, see page 2!

Technical features

Medium:

Compressed air, filtered, lubricated or non-lubricated

Operation:

Solenoid, indirectly controlled

Port size:

G 1/4

Electrical connection:

See solenoid table

Operating pressure:

2 ... 8 bar

Flow direction:

Fixed

Mounting position:

Optional, preferably with solenoid on top

Orifice:

6 mm

Fluid/Ambient temperature:

-10 ... +50°C

Solenoid: see solenoid table

Air supply must be dry enough to avoid ice formation at temperatures below 2°C.

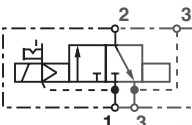
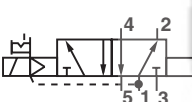
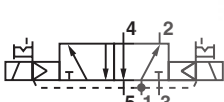
Materials:

Housing: aluminium

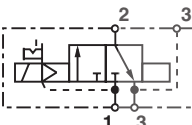
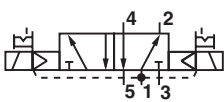
Pilot flange: plastic

Seat seal: NBR

Technical data

Symbol	Ports 1, 3 (5)	2 (4)	Actuation	Nominal size	Operating pressure (bar)	kv-value (Cv (US) = kv x 1,2)	Weight (kg)	Dimension No.	Model *1)
	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,4	1	8010777
	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,55	2	2623077
	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,9	3	2623177

3/2 or 5/2 way function (conversion instruction see page 7)

Symbol	Ports 1, 3 (5)	2 (4)	Actuation	Nominal size	Operating pressure (bar)	kv-value (Cv (US) = kv x 1,2)	Weight (kg)	Dimension No.	Model *1)
	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,4	4	2623079
	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,9	5	2623179

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

Solenoid operators

	Power consumption		Rated current		Ex-Protection	Protection class *7)	Temperature	Weight	Dimension	Circuit	Model
	24 V DC	230 V AC	24 V DC	230 V AC	(ATEX-Category)		Ambient/ Fluid (°C)	(kg)	No.	diagram	
	[W]	[VA]	[mA]	[mA]						No.	
	1,7	-	5,6/4,3	-	-	IP 65 (with connector DIN EN 175301-803 Form B) *6)	-40 ... +50	0,1	6	1	3050 *2)
	1,6	3,5	30	-	-	IP 65 (with connector DIN EN 175301-803 Form A) *6)	-40 ... +50	0,1	7	1	3036 *2)
	2,7	-	115	-	II2G II2D	Ex mb II T5 Ex tDA21 IP65 T95° with 3 m cable	-20 ... +50	0,3	8	1	3062 *3)
	-	2,1	-	9	II2G II2D	Ex mb II T5 Ex tDA21 IP65 T95° with 3 m cable	-20 ... +50	0,3	8	8	3063 *3)
	2,7	-	115	-	-	IP 66 mit Stecker M12x1 DIN IEC 61076-2-101 *8) with yellow LED	-10 ... +50	0,1	9	8	3071

Standard voltages 24 V DC, 230 V AC, other voltages on request.
Design according to VDE 0580, EN 50014/50028. 100% duty cycle.

*2) Required connector, see below

*3) EG-Type-Examination-Certificate PTB 03 ATEX 2015X

*6) Connector cable gland not supplied, see table accessories

*7) IP-Protection class according to EN60529

*8) Connector not supplied

Accessories

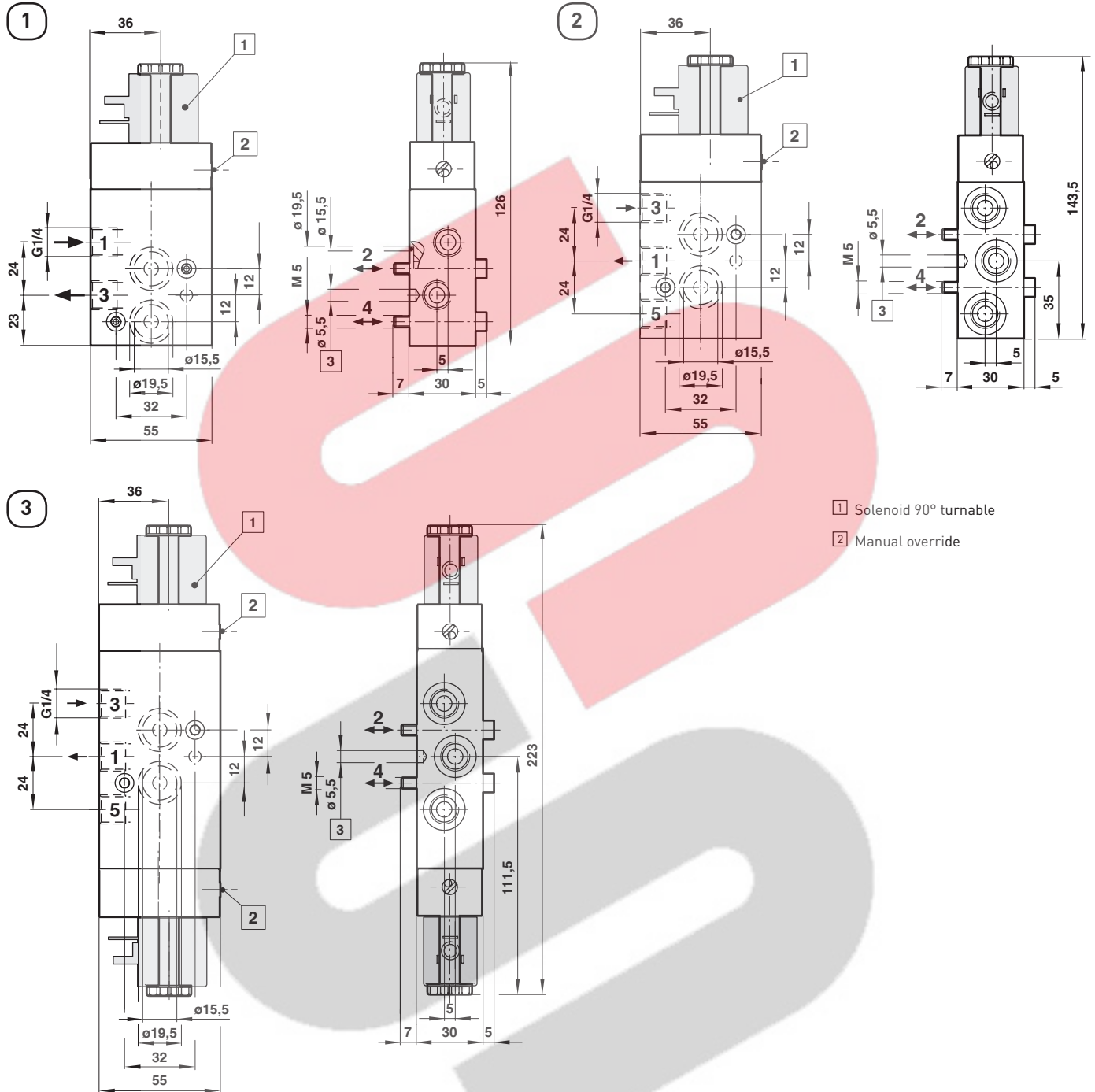
Connector Form A	M12 x 1	Silencer *1)	Exhaust guard *2)	Flange plate	Yoke
					
		Page 8	Page 8	Page 7	Page 7
0570275 (form A)	0523055 (without cable)	0523056 (90°, without cable)	C/S2 1/4 NPT	0613422 (G1/4, 1/4 NPT)	0612790 (NAMUR single connection plate)
0680003 (form B)	0523057 (2 m cable)	0523058 (90°, 2 m cable length)	M/S2 G1/4	0612791 (NAMUR-rip use in combination with 0612790, Alu)	0540593
	0523052 (5 m cable)	0523053 (90°, 5 m cable length)			

*1) For indoors use

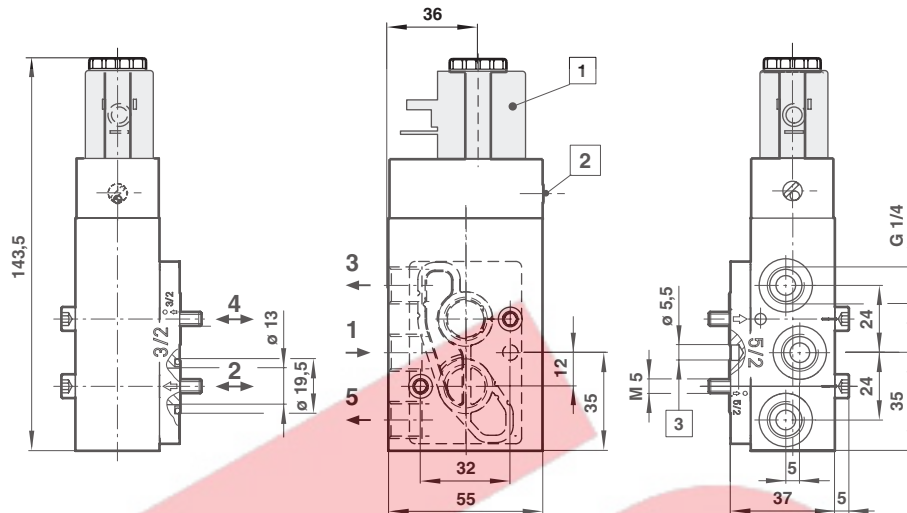
*2) For outdoors use

Dimensions

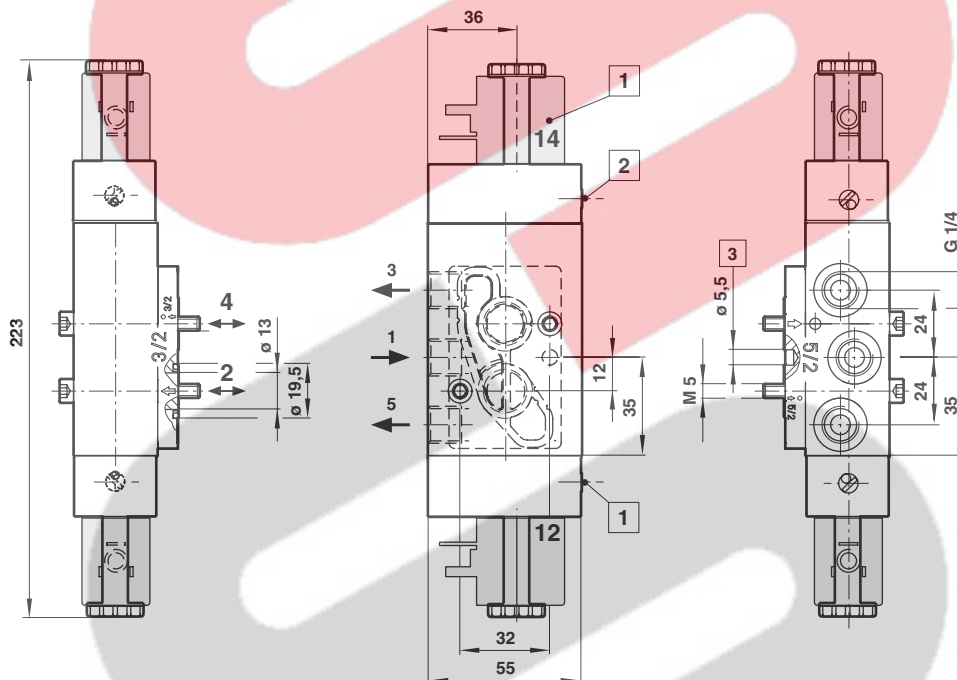
Valves



4



5



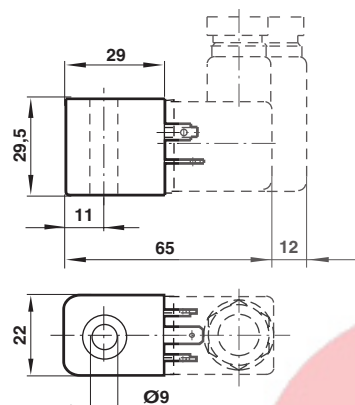
1 Solenoid 90° turnable

2 Manual override

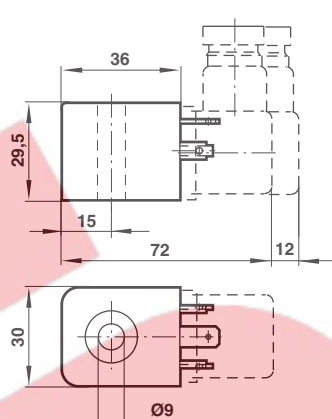
Dimensions

Solenoid operators

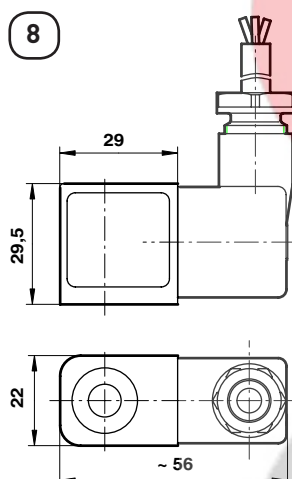
6



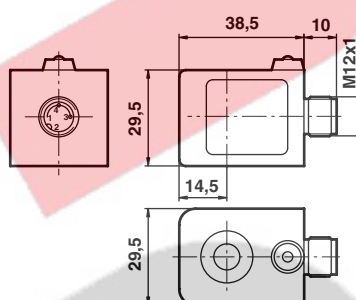
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8

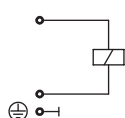


9

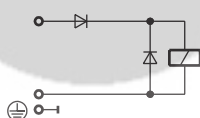


Circuit diagrams

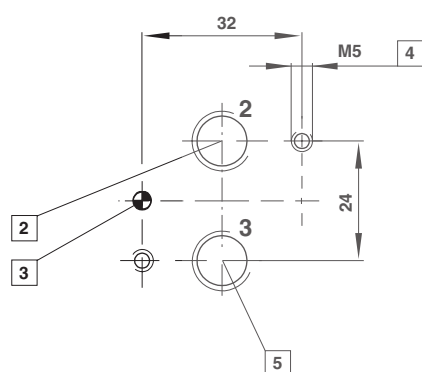
1



8



NAMUR hole pattern (driving side)



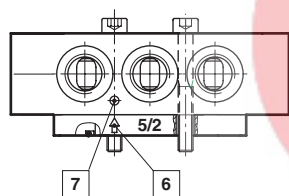
- 2 Port 2 (A)
- 3 Coding stud threaded
- 4 M5 & M6 (10 deep)
- 5 Port 3 (R)

NAMUR quick exhaust module for a better kv-value by exhaust see data sheet 5.4.820

NAMUR interlinking plates in redundancy design for »safety exhausting« and »safety ventilating« see data sheet 5.4.830

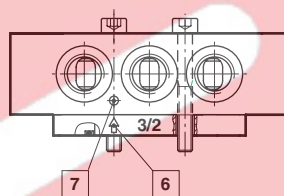
Conversion instructions of 5/2 into 3/2 way function

5/2 way function (original mode of supply)

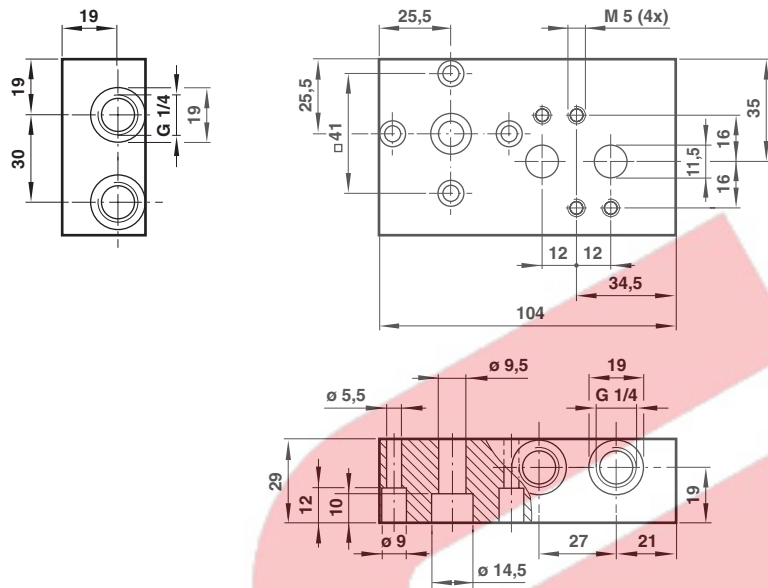
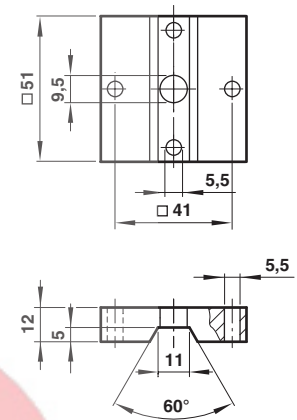
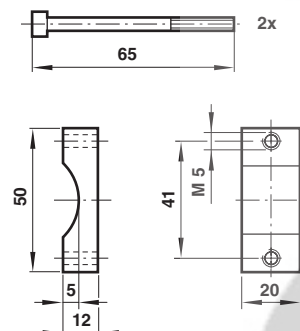
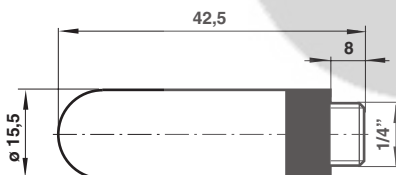
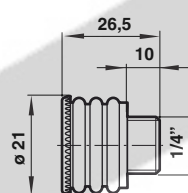


3/2 resp. 5/2 way function can be achieved just by swapping enclosed adaptor plates. Make sure Marker and Arrow do match as shown on above drawing. Original mode of supply: 5/2 function.

3/2 way function



- 6 Arrow
- 7 Marker

Single connection plate
Model: 0612790

NAMUR slot
Model: 0612791

Yoke
Model: 0540593

Silencer
Model: M/S2, C/S2

Exhaust guard
Model: 0613422

Warning

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

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.