- **Port size: 1/4" (ISO G or NPT), G1/2**
- **Working from 0 bar up**
- **Short switching times**
- **Suited for fine vacuum down to 1,33 x 10^{-2} mbar**
- **For a.c. solenoid systems with integrated rectifier (40 ... 60 Hz)**
- **Variable valve solenoid combination**

Technical features

Medium:
For neutral gaseous and liquid fluids (with contaminated fluids, upstream installation of a dirt trap is recommended)
Operation:
Direct solenoid operated poppet valve
Operating pressure:
0 ... 40 bar (0 ... 580 psi)

Orifice:
1,5 ... 12 mm
Port size:
G1/4, 1/4 NPT, G1/2
Flow direction:
Fixed
Mounting position:
Optional, preferably with solenoid on top

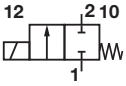
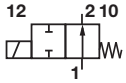
Ambient/Media temperature:
NBR:
-25 ... +80°C (-13 ... +176°F)
FPM:
-10...+120°C (+14 ... +248°F)
Water +95°C (+203°F)
EDPM:
-40... +140°C (-40 ... +284°F)
FFPM:
-10....+140°C (+14 ... +284°F)
PTFE:
-50....+180°C (-58 ... +356°F)
Depending on solenoid system and seal materials.
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Material:
Housing: brass 2.0401 (Ms 58)
Seals: NBR
other see option selector
Inner parts: stainless steel 1.4104 (430 F), brass 2.0401 (Ms 58)

Further versions
Operating pressure to 50 bar;
Seat seals FPM, EPDM, FFPM, PTFE, Rubin;
Assembled oil and grease-free

Flow conversion:
Cv US Gallon/min (water) = l/min (air) x 0,001
Kv m^3/h (water) = l/min (air) x 0,000906

Technical data
Housing: Brass, Seals: NBR -25 ... +80°C (-13 ... +176°F)

Symbol	Port size	Orifice (mm)	Flow (l/min)	Operating pressure (bar)	(psi)	Weight (kg)	(lbs)	Dimension No.	Solenoid group	Model *1)
	G1/4	1,5	70	0 ... 40	0 ... 580	0,21	0.46	1	13B	9500100
	G1/4	2	120	0 ... 35	0 ... 507	0,21	0.46	1	13B	9500200
	1/4 NPT	2	120	0 ... 35	0 ... 507	0,21	0.46	1	13B	9503200
	G1/4	3	200	0 ... 10	0 ... 145	0,21	0.46	1	13C	9500300
	1/4 NPT	3	200	0 ... 10	0 ... 145	0,21	0.46	1	13C	9503300
	G1/4	4	350	0 ... 12	0 ... 174	0,21	0.46	1	13D	9500400
	1/4 NPT	4	350	0 ... 12	0 ... 174	0,21	0.46	1	13D	9503400
	G1/4	6	550	0 ... 5	0 ... 72	0,25	0.55	2	16D	9501600
	1/4 NPT	6	550	0 ... 5	0 ... 72	0,25	0.55	2	16D	9504600
	G1/2	12	1700	0 ... 1	0 ... 14	0,8	1.76	4	16D	9501700
	G1/4	2	100	0 ... 20	0 ... 290	0,21	0.46	3	13B	9502210
	G1/4	3	160	0 ... 10	0 ... 145	0,21	0.46	3	13B	9502310

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

Option selector

950X★X★ ★★★★ ★★★★★

Orifice (mm)	Substitute
1,5	**1**
2	**2**
3	**3**
4	**4**
6	**6**
12	**7**

Material seat seal	Substitute
NBR	**0**
EDPM	**1**
FPM	**2**
PTFE only orifice 1,5 ... 4 NC	**3**
FFPM	**4**
Rubin only orifice 2 ... 3 NC	**5**

Voltage	Substitute
24 V d.c.	**02400**
230 V a.c.	**23050**

Solenoid	Substitute
See solenoid table	

Solenoids group 13B, standard voltages

	Power consumption 24 V d.c. (W)	230 V a.c. (VA)	Rated current 24 V d.c. (m A)	230 V a.c. (m A)	Protection class IP/NEMA	Ex-Protection (ATEX-Category)	Temperature Ambient/ Media (°C)	Electrical connection	Weight (kg)	Drawing No.	Circuit diagram No.	Model
	8,0	—	331	—	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,15	1	1	0246
	—	9,2	—	40	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,16	2	7	3206
	8,0	—	331	—	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tD A22 T 110°C	-20 ... +60	Special connector included DIN EN 175301-803, form A	0,16	1	1	3216
	-	9,2	-	40	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tD A22 T 110°C	-20 ... +60	Special connector included DIN EN 175301-803, form A	0,16	2	6	3218
	6,9	-	289	-	IP66	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T110°C Db	-20 ... +60	Cable length 3 m	0,4	5	4	0292
	-	8,7	-	34	IP66	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T110°C Db	-20 ... +60	Cable length 3 m	0,4	5	7	0293
	3,9	-	162	-	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	M20 x 1,5 *1)	0,5	6	4	4210
	-	5,3	-	23	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	M20 x 1,5 *1)	0,5	6	7	4211
	3,9	-	162	-	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	1/2 NPT *1)	0,8	7	20	4610
	-	5,3	-	23	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	1/2 NPT *1)	0,8	7	21	4611
	3,9	-	162	-	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	M20 x 1,5 *1)	0,8	7	20	4612
	—	5,3	—	23	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ...+80 T6: -40 ... +55 -40 ...+80	M20 x 1,5 *1)	0,8	7	21	4613
	5,5	—	228	—	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	1	3722
	—	5,9	—	26	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	5	3723

Standard voltages (±10%) 24 V d.c., 230 V a.c., other voltages on request. Design according to VDE 0580, EN 50014/50028. 100% duty cycle.
*1) Connector/cable gland is not scope of delivery, see table »Accessories«
Attention: The protection class for coil series 46xx and 48xx is determined by the choice of cable gland.
Example: if an ATEX-certified cable gland is used that has Ex d type of protection, the solenoid will have the protection class Ex d mb; if a cable gland with Ex e type of proteciton is used, the solenoid will have protection class Ex e mb.

Approvals

Model	Approvals ATEX	IECEx	FM	Datasheet
029x	KEMA 02 ATEX 1347 X	IECEx DEK 13.0014X	—	N/en 7.1.505
321x, 381x	EC-Declaration of Conformity	—	—	N/en 7.1.570
372x, 382x	—	—	CSA-LR 57643-6	N/en 7.1.575

Model	Approvals ATEX	IECEx	Datasheet
42xx	KEMA 98 ATEX 4452 X	IECEx KEM 09.0068X	N/en 7.1.580
46xx	PTB 02 ATEX 2085 X	IECEx PTB 11.0094X	N/en 7.1.585

Solenoids group 13C, standard voltages

	Power consumption 24 V d.c. (W)	230 V a.c. (VA)	Rated current 24 V d.c. (m A)	230 V a.c. (m A)	Protection class IP/NEMA	Ex-Protection (ATEX-Category)	Temperature Ambient/ Media (°C)	Electrical connection	Weight (kg)	Drawing No.	Circuit diagram No.	Model
	12,1	—	504	—	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,117	1	1	0200
	—	11,3	—	49	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,160	2	6	3204
	12,1	—	504	—	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tD A22 T 130°C	-20 ... +60	Special connector included DIN EN 175301-803, form A	0,127	1	1	3217
	—	11,3	—	49	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tD A22 T 120°C	-20 ... +50	Special connector included DIN EN 175301-803, form A	0,17	2	6	3219
	10,7	—	446	—	IP66	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T110°C Db	-20 ... +40	Cable length 3 m	0,4	5	4	0290
	—	12,4	—	54	IP66	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T110°C Db	-20 ... +40	Cable length 3 m	0,4	5	7	0291
	8,9	—	369	—	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +65 T5: -40 ... +55 -40 ... +65	M20 x 1,5 *1)	0,5	6	4	4220
	—	10,0	—	43	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +65 T5: -40 ... +55 -40 ... +65	M20 x 1,5 *1)	0,5	6	7	4221
	8,9	—	369	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +70 T6: -40 ... +40 -40 ... +70	1/2 NPT *1)	0,8	7	20	4620
	—	10,0	—	43	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +70 T6: -40 ... +40 -40 ... +70	1/2 NPT *1)	0,8	7	21	4621
	8,9	—	369	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +70 T6: -40 ... +40 -40 ... +70	M20 x 1,5 *1)	0,8	7	20	4622
	—	10,0	—	43	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T6 Gb II 2 G Ex e mb IIC T4/ T6 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +70 T6: -40 ... +40 -40 ... +70	M20 x 1,5 *1)	0,8	7	21	4623
	8,9	—	369	—	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	1	3724
	—	9,5	—	41	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	5	3725

Standard voltages (±10%) 24 V d.c., 230 V a.c., other voltages on request. Design according to VDE 0580, EN 50014/50028. 100% duty cycle.
*1) Connector/cable gland is not scope of delivery, see table »Accessories«
Attention: The protection class for coil series 46xx and 48xx is determined by the choice of cable gland.
Example: if an ATEX-certified cable gland is used that has Ex d type of protection, the solenoid will have the protection class Ex d mb; if a cable gland with Ex e type of proteciton is used, the solenoid will have protection class Ex e mb.

Approvals

Model	Approvals ATEX	IECEx	FM	Datasheet
029x	KEMA 02 ATEX 1347 X	IECEx DEK 13.0014X	—	N/en 7.1.505
321x, 381x	EC-Declaration of Conformity	—	—	N/en 7.1.570
372x, 382x	—	—	CSA-LR 57643-6	N/en 7.1.575

Model	Approvals ATEX	IECEx	Datasheet
42xx	KEMA 98 ATEX 4452 X	IECEx KEM 09.0068X	N/en 7.1.580
46xx	PTB 02 ATEX 2085 X	IECEx PTB 11.0094X	N/en 7.1.585

Solenoids group 13D, standard voltages

	Power consumption 24 V d.c. (W)	230 V a.c. (VA)	Rated current 24 V d.c. (m A)	230 V a.c. (m A)	Protection class IP/NEMA	Ex-Protection (ATEX-Category)	Temperature Ambient/ Media (°C)	Electrical connection	Weight (kg)	Drawing No.	Circuit diagram No.	Model
	16,9	—	703	—	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,27	3	1	0700
	—	19,5	—	75	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,32	4	6	3703
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,5	6	4	4230
	—	15,2	—	66	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,5	6	7	4231
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	1/2 NPT *1)	0,8	7	20	4630
	—	15,2	—	66	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	1/2 NPT *1)	0,8	7	21	4631
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,8	7	20	4632
	—	15,2	—	66	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,8	7	21	4633
	13,6	—	567	—	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	1	3726
	—	15,7	—	68	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	5	3727

Standard voltages (±10%) 24 V d.c., 230 V a.c., other voltages on request. Design according to VDE 0580, EN 50014/50028. 100% duty cycle.
*1) Connector/cable gland is not scope of delivery, see table »Accessories«
Attention: The protection class for coil series 46xx and 48xx is determined by the choice of cable gland.
Example: if an ATEX-certified cable gland is used that has Ex d type of protection, the solenoid will have the protection class Ex d mb; if a cable gland with Ex e type of proteciton is used, the solenoid will have protection class Ex e mb.

Approvals

Model	Approvals ATEX	IECEx	FM	Datasheet
321x, 381x	EC-Declaration of Conformity	—	—	N/en 7.1.570
372x, 382x	—	—	CSA-LR 57643-6	N/en 7.1.575
42xx	KEMA 98 ATEX 4452 X	IECEx KEM 09.0068X	—	N/en 7.1.580
46xx	PTB 02 ATEX 2085 X	IECEx PTB 11.0094X	—	N/en 7.1.585

Solenoids group 16D, standard voltages

	Power consumption 24 V d.c. (W)	230 V a.c. (VA)	Rated current 24 V d.c. (m A)	230 V a.c. (m A)	Protection class IP/NEMA	Ex-Protection (ATEX-Category)	Temperature Ambient/ Media (°C)	Electrical connection	Weight (kg)	Drawing No.	Circuit diagram No.	Model
	16,9	—	703	—	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,26	3	1	0800
	—	17,3	—	75	IP65 (with connector)	—	-25 ... +60 Media: +80 max	Connector DIN EN 175301-803, form A *1)	0,35	4	6	3803
	16,9	—	703	—	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tDA22 IP65 T130°C	-20 ... +60	Special connector included DIN EN 175301-803, form A	0,27	3	1	3817
	—	17,3	—	75	IP65 (with connector)	II 3 G Ex nA II T4 II 3 D Ex tDA22 IP65 T120°C	-20 ... +50	Special connector included DIN EN 175301-803, form A	0,36	4	6	3819
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,5	6	4	4280
	—	15,2	—	66	IP66 (with cable gland)	II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db IP66	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,5	6	7	4281
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	1/2 NPT *1)	0,8	7	20	4680
	—	15,2	—	66	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	1/2 NPT *1)	0,8	7	21	4681
	11,4	—	475	—	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,8	7	20	4682
	—-	15,2	—	66	IP66 (with cable gland)	II 2 G Ex d mb IIC T4/ T5 Gb II 2 G Ex e mb IIC T4/ T5 Gb II 2 D Ex tb IIIC T130°C Db	T4: -40 ... +50 T5: -40 ... +40 -40 ... +50	M20 x 1,5 *1)	0,8	7	21	4683
	13,6	—	567	—	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	1	3826
	—	15,7	—	68	NEMA 4, 4X, 6, 6P, 7, 9	XP/DIP, Div. 1 & 2 Cl. I, Gr. A-D Cl. II/III, Gr. E-G T3 (160°C)	-20 ... +60	Flying leads 450 mm	0,5	8	5	3827

Standard voltages (±10%) 24 V d.c., 230 V a.c., other voltages on request. Design according to VDE 0580, EN 50014/50028. 100% duty cycle.
*1) Connector/cable gland is not scope of delivery, see table »Accessories«
Attention: The protection class for coil series 46xx and 48xx is determined by the choice of cable gland.
Example: if an ATEX-certified cable gland is used that has Ex d type of protection, the solenoid will have the protection class Ex d mb; if a cable gland with Ex e type of proteciton is used, the solenoid will have protection class Ex e mb.

Approvals

Model	Approvals ATEX	IECEx	FM	Datasheet
372x, 382x	—	—	CSA-LR 57643-6	N/en 7.1.575
42xx	KEMA 98 ATEX 4452 X	IECEx KEM 09.0068X	—	N/en 7.1.580
46xx	PTB 02 ATEX 2085 X	IECEx PTB 11.0094X	—	N/en 7.1.585

Accessories
Electrical connection

Cable gland
Protection class
Ex e, Ex d

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Thread	Cable Ø (mm)	Materials	Protection class (ATEX)	Model
M20 x 1,5	5 ... 8	Nickel plated brass	II 2 GD Ex e	0588819
M20 x 1,5	10 ... 14	Nickel plated brass	II 2 GD Ex d	0588851
1/2 NPT	7,5 ... 11,9	Nickel plated brass	II 2 GD Ex d	0588925
M20 x 1,5	9 ... 13	Stainless steel 1.4571 (316 Ti)	II 2 GD Ex e	0589385
M20 x 1,5	7 ... 12	Stainless steel 1.4404 (316 L)	II 2 GD Ex d	0589395
M20 x 1,5	10 ... 14	Stainless steel 1.4404 (316 L)	II 2 GD Ex d	0589387
M20 x 1,5	5 ... 9	Plastic (PA)	—	0110854
M20 x 1,5	6 ... 12	Plastic (PA)	—	0110855

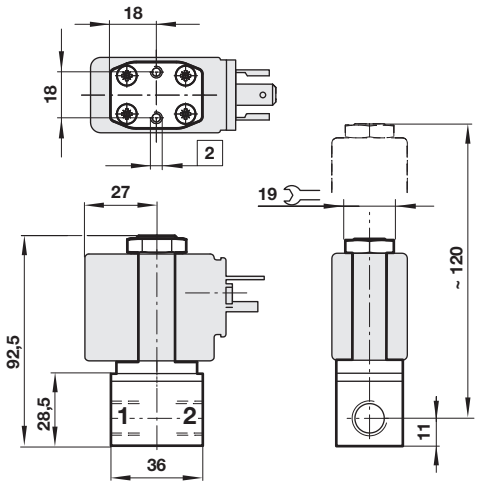
Connector
DIN EN 175301-803

0570275 (form A)

Drawings - Valve

Dimensions in mm
Projection/First angle

1



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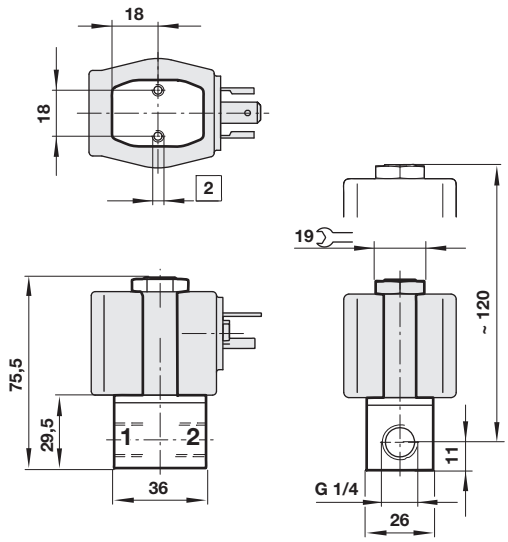
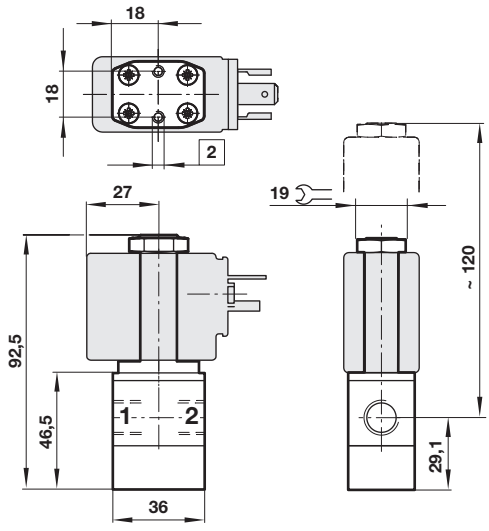


3



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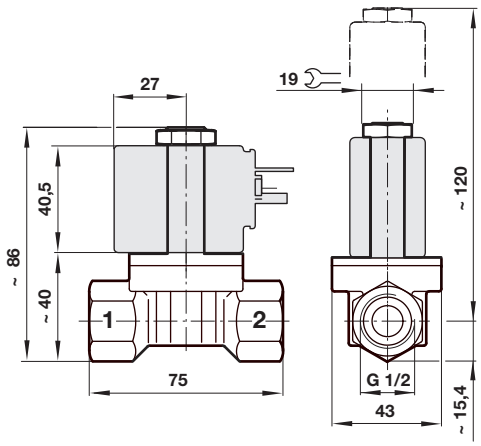
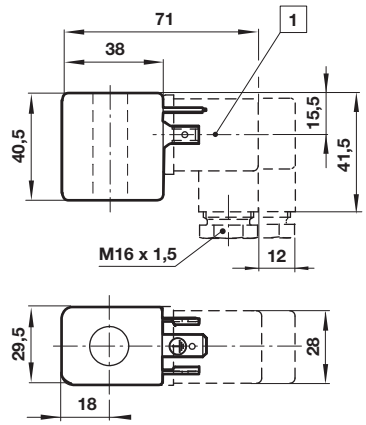


2 M4 x 6 mm deep

Drawings - Solenoid

Dimensions in mm
Projection/First angle

1



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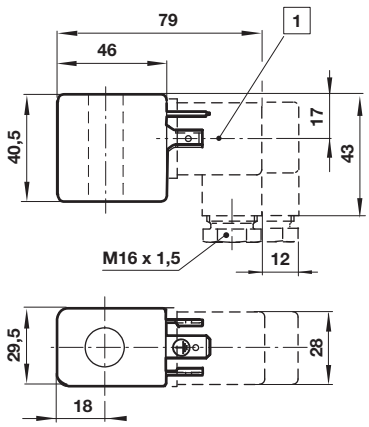
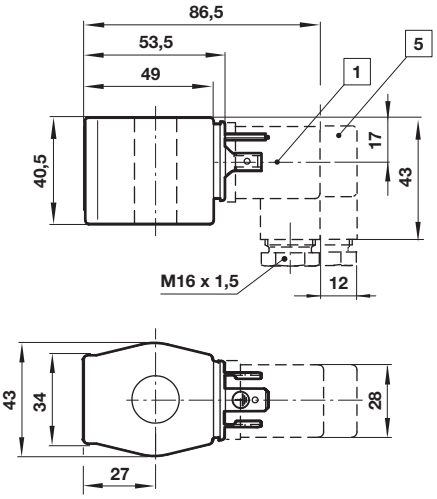
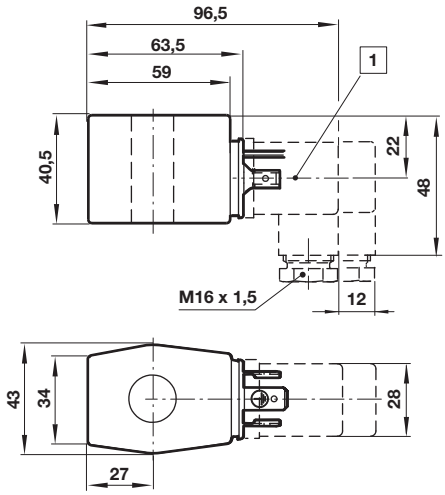


3



4



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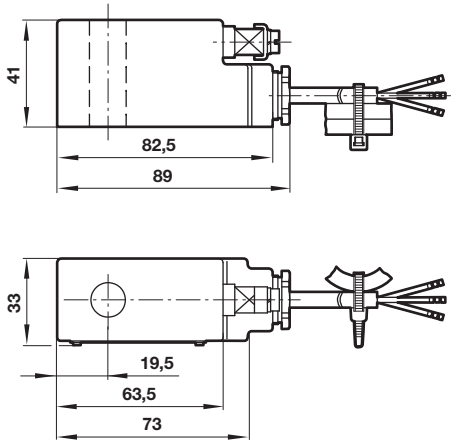

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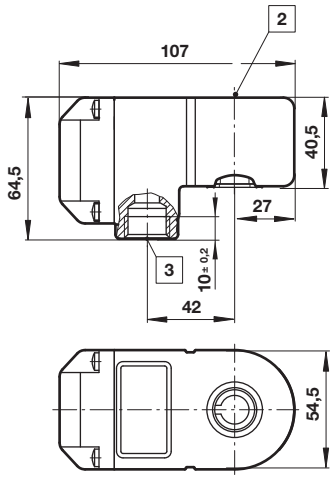
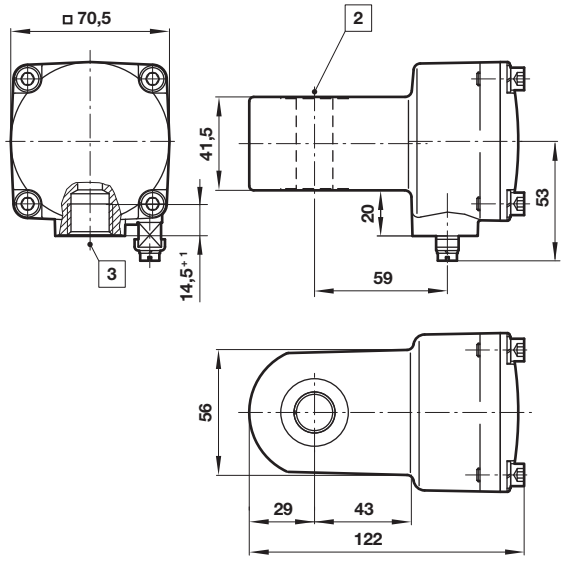


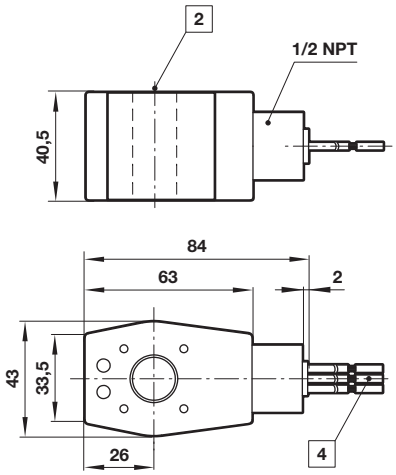
1 Connector can be indexed by 4x90°
2 Ø 16 or 13 (with spacer tube)

7



8

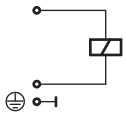
Dimensions in mm
Projection/First angle



2 Ø 16 or 13 (with spacer tube)
3 M20 x 1,5 or 1/2 NPT
4 Flying leads AWG 18 (450 mm long)

Circuit diagrams

1



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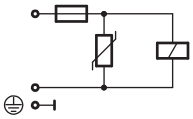

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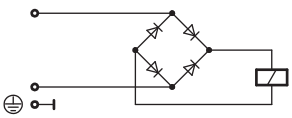

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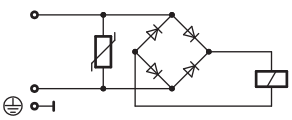
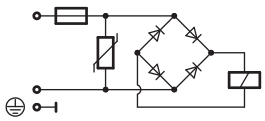


7



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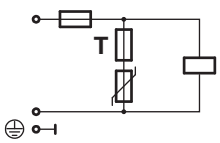

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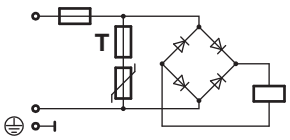
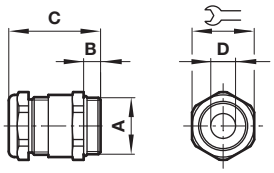
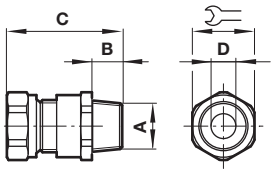


Cable gland





0588925 only

A	B	C	ø D		Model
M20 x 1,5	9	36	5 ... 8	22	0588819
M20 x 1,5	6,5	27,5	9 ... 13	22	0589385
M20 x 1,5	14	39	10 ... 14	24	0588851
1/2 NPT	15	58	7,5 ... 11,9	24	0588925
M20 x 1,5	14	39	7 ... 12	24	0589395
M20 x 1,5	10	34	10 ... 14	24	0589387
M20 x 1,5	9	36	5 ... 9	24	0110854
M20 x 1,5	9	36	6 ... 12	24	0110855

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 IMI 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.