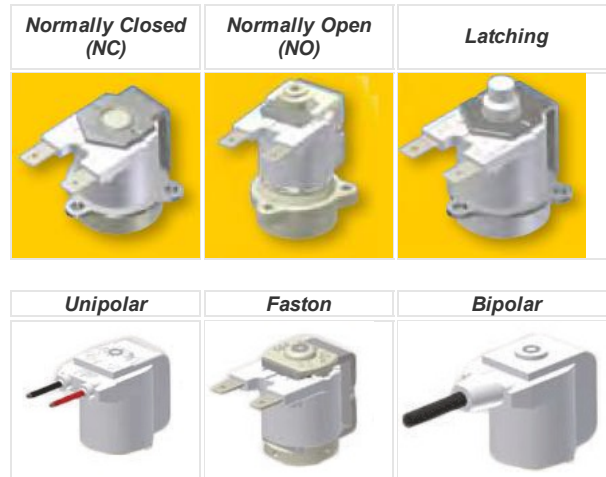


Solenoids for R Series



Indirect acting solenoid control R series

progres code	Voltage	Frequency	Power		Current		cosφ	ED	Connections		Approvals	Control	
			Holding Power	In Rush Power	Holding Current (mA)	In Rush Current (mA)			Faston(F), Cables(C) Unipolar	Cables bipolar in mm		NC	NO**
1	12V AC	50 HZ 60 HZ	5 VA 4,5 VA	5,9 VA 5,4 VA	429 mA 382 mA	490 mA 440 mA	0,63 0,57	100%	F			X	X
2	12V AC/DC	50 HZ 60 HZ =	4,4 VA 4,1 VA 8,5 W	5,2 VA 4,6 VA /	365 mA 340 mA 710 mA	433 mA 383 mA /	0,65 0,59 /	100%	F, C	2500	Enec	X	X
3	12V AC/DC	50 HZ 60 HZ =	4,4 VA 4,1 VA 8,5 W	5,2 VA 4,6 VA /	365 mA 340 mA 710 mA	433 mA 383 mA /	0,65 0,59 /	100%	F, C	2500	Enec, GW	X	X
4	12V DC	=	5,4 W	/	450 mA	/	/	100%	F, C		Enec	X	X
5	12V DC	=	5,4 W	/	450 mA	/	/	100%	F, C		Enec, GW	X	X
6	12V DC	=	3,6 W	/	300 mA	/	/	100%	F, C			X	X
7	24V AC	50 HZ 60 HZ	7,2 VA 6,5 VA	8,1 VA 7,3 VA	302 mA 270 mA	337 mA 305 mA	0,65 0,60	100%	F, C	620, 2500	Enec	X	X
8	24V AC	50 HZ 60 HZ	7,2 VA 6,5 VA	8,1 VA 7,3 VA	302 mA 270 mA	337 mA 305 mA	0,65 0,60	100%	F, C	620, 2500	Enec, UL	X	X
9	24V DC	=	3,2 W	/	134 mA	/	/	100%	F, C	1000, 1450, 2000, 2500		X	X
10	24V DC	=	6,3 W	/	265mA	/	/	100%	F, C		Enec	X	X
11	24V DC	=	6,3 W	/	265mA	/	/	100%	F, C		Enec, GW, UL	X	X
12	L6V DC	=	2,25 W (25ms)	/	375 mA	/	/		F, C			Bistab	Latching
13	100/120 V AC	50 HZ 60 HZ	7,7 VA 6,9 VA	8,8 VA 7,9 VA	70 mA 63 mA	80 mA 72 mA	0,66 0,60	100%	F		UL	X	X
14	220/240 V AC	50 HZ 60 HZ	6,6 VA 6,3 VA	7,6 VA 6,7 VA	29,7mA 27 mA	33 mA 29 mA	0,71 0,67	100%	F, C	620	Enec	X	X
15	220/240 V AC	50 HZ 60 HZ	12,65 VA 10,71 VA	13 VA 11,61 VA	55 mA 46 mA	58 mA 51 mA	0,69 0,61	3 - 5min	F, C	620	Enec	X	X
16	220/240 V AC	50 HZ 60 HZ	6,6 VA 6,3 VA	7,6 VA 6,7 VA	29,7mA 27 mA	33 mA 29 mA	0,71 0,67	100%	F, C	620	Enec, UL	X	X
17	230V AC	50 HZ 60 HZ	8,4 VA 7,6 VA	9,7 VA 8,3 VA	36,5 mA 33 mA	42 mA 36 mA	0,74 0,70	100%	F, C	620, 1000, 1450, 2000, 2500	Enec	X	X
18*	230V AC	50 HZ 60 HZ	8,4 VA 7,6 VA	9,7 VA 8,3 VA	36,5 mA 33 mA	42 mA 36 mA	0,74 0,70	100%	F, C		Enec	X	X

(*) Materials approved UL

(**) The solenoid NO are not available for bipolar wire

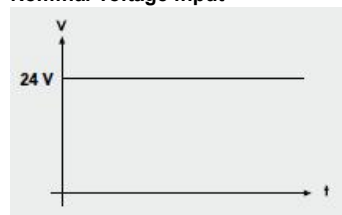
(!) (***) The Solenoids with Unipolar & Bipolar wires are NOT available for DOUBLE, TRIPLE, QUADRUPLE valve R series

ED duty cycle = 100%
 Approvals: ENEC, UL, GW
 IP X0 (FASTON) - IP X0 (Faston) NA
 IP 55 (CABLES)
 Insulation class II
 Coil insulation class F
 Faston type 6,3 × 0,8

Legend:
 NC Solenoid normally closed
 NA Solenoid normally open
 GW Glow Wire

Low power solenoid control

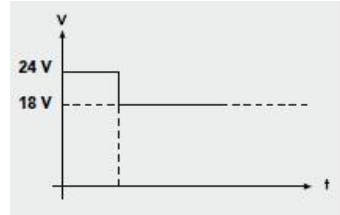
Nominal voltage input



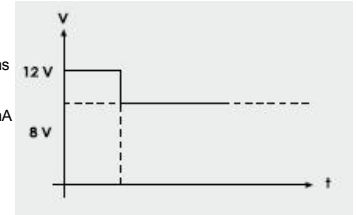
Timing pulse
 Voltage pulse
 Maintained voltage
 Current consumption at maintained voltage
 Power consumption at maintained voltage
 Temperature rise



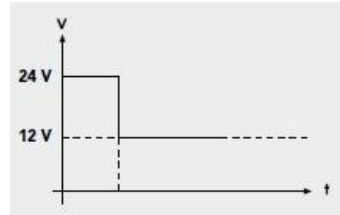
Low voltage input



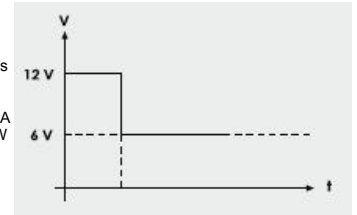
100 ms Timing pulse
24 V Voltage pulse
18 V Maintained voltage
103 mA Current consumption at maintained voltage
1,85 W Power consumption at maintained voltage
- Temperature rise



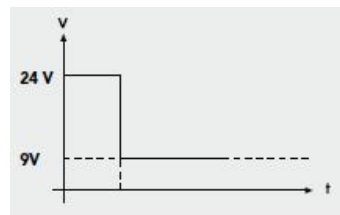
100 ms Timing pulse
12 V Voltage pulse
8 V Maintained voltage
200 mA Current consumption at maintained voltage
1,6 W Power consumption at maintained voltage
16° C Temperature rise



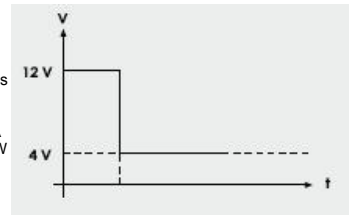
100 ms Timing pulse
24 V Voltage pulse
12 V Maintained voltage
69 mA Current consumption at maintained voltage
0,84 W Power consumption at maintained voltage
- Temperature rise



100 ms Timing pulse
12 V Voltage pulse
6 V Maintained voltage
145 mA Current consumption at maintained voltage
0,87 W Power consumption at maintained voltage
10° C Temperature rise



100 ms Timing pulse
24 V Voltage pulse
9 V Maintained voltage
51 mA Current consumption at maintained voltage
0,46 W Power consumption at maintained voltage
- Temperature rise



100 ms Timing pulse
12 V Voltage pulse
4 V Maintained voltage
95 mA Current consumption at maintained voltage
0,38 W Power consumption at maintained voltage
4° C Temperature rise

Latching solenoid control

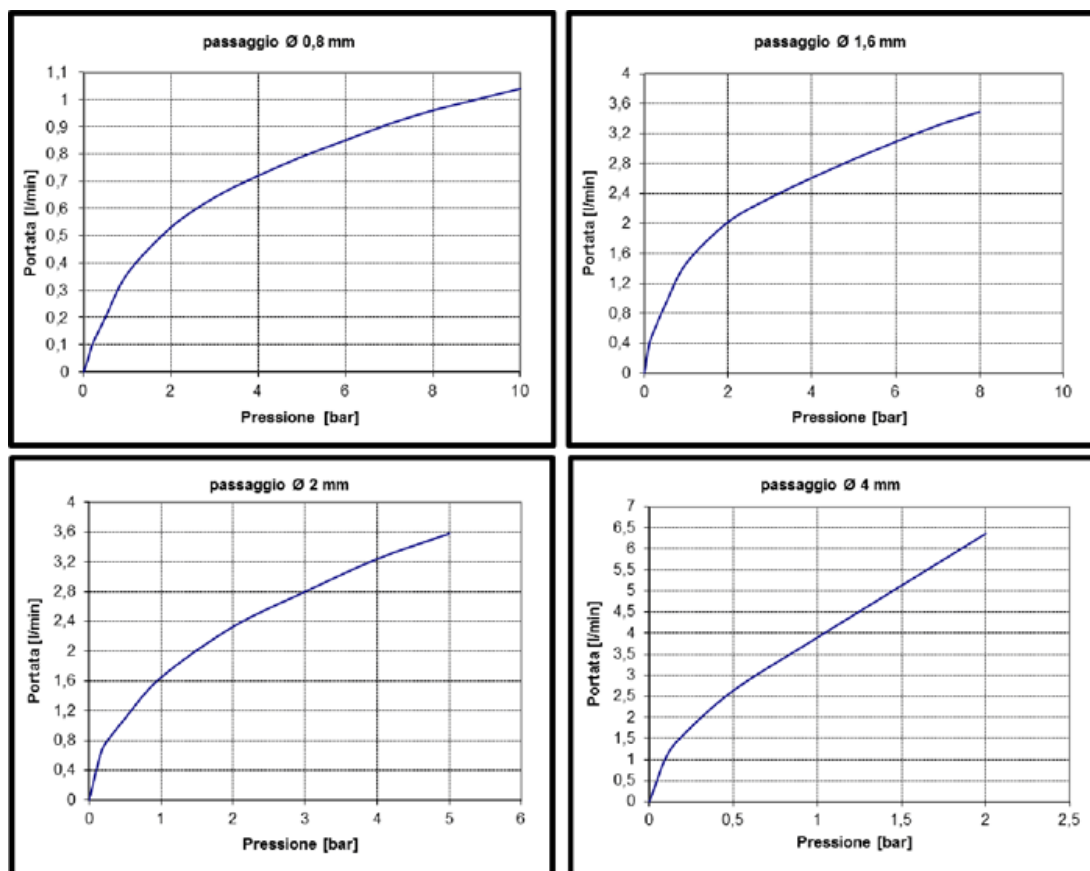
IMPULSO DI COMANDO SERIE R MINI BISTABILE CON CAVI/CONTROL IMPULSE R SERIES MINI LATCHING CABLES		
APERTURA/OPEN	CHIUSURA/CLOSE	IMPULSI/IMPULSE
IMPULSO DI COMANDO SERIE R MINI BISTABILE FASTON/CONTROL IMPULSE R SERIES MINI LATCHING FASTON		
APERTURA/OPEN	CHIUSURA/CLOSE	IMPULSI/IMPULSE

Direct acting solenoid control Working pressure range R Direct solenoids

	E9400000 230V	E9400000 24ac	E9400000 24ac E9400000 24dcGW	E9400020 12VGW E9400000 12V	E9400020 12VGW E9400000 12V	E9400000 12dc	E9400800 230V
Tensione	230 V ac	24 V ac	24 V dc	12 V ac-dc (ac)	12 V ac-dc (dc)	12V dc	220-240 V ac
Frequenza	50/60 Hz	50/60 Hz	=	50/60 Hz	=	=	50/60 Hz
Assorbimento	36,5 mA	302 mA	265 mA	365 mA	710mA	450 mA	55 mA
Potenza	8,39 VA	7,24 VA	6,35 W	4,38 VA	8,52 W	5,4 W	12,65 VA
ED %	ED 100%	ED 100%	ED 100%	ED 100%	ED 100%	ED 100%	3 on / 5 off
Working Pressure Range							
Ø 0,8	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar
Ø 1,6	0 ÷ 4 bar	0 ÷ 4 bar	0 ÷ 2,5 bar	0 ÷ 2 bar	0 ÷ 4 bar	0 ÷ 3 bar	0 ÷ 8 bar
Ø 2	0 ÷ 2,5 bar	0 ÷ 2,5 bar	0 ÷ 2 bar	0 ÷ 1 bar	0 ÷ 2,5 bar	0 ÷ 1,5 bar	0 ÷ 5 bar
E9400001	230 V ac	24 V ac	24 V dc	12 V ac-dc (ac)	12 V ac-dc (dc)	12V dc	220-240 V ac
Ø 4	0 ÷ 0,8 bar	0 ÷ 0,8 bar	0 ÷ 0,5 bar	0 ÷ 0,5 bar	0 ÷ 0,8 bar	0 ÷ 0,5 bar	0 ÷ 1,6 bar

Note: the \varnothing 4 mm orifice is not available for Normally Open (NO) valves

Working pressure range R Direct solenoids



Note: the \varnothing 4 mm orifice is not available for Normally Open (NO) valves