

Solenoid Coil (C-Coil)

With Standard Socket

DC:

Type MSG-...

AC:

Type MSW-...

These solenoids can be mounted on the following solenoid-actuated valves:

Type MC, MOC, JMC, MLC

Type CM-...-C and CH
CJM-...-C and CH

Solenoid Coils comply with VDE Specification 0580, insulation Class F.

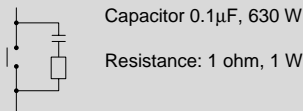
These solenoids may be changed without disturbing the pneumatic circuit.

Test certification: VDE

UR and CSA approval only when used with certain valves.

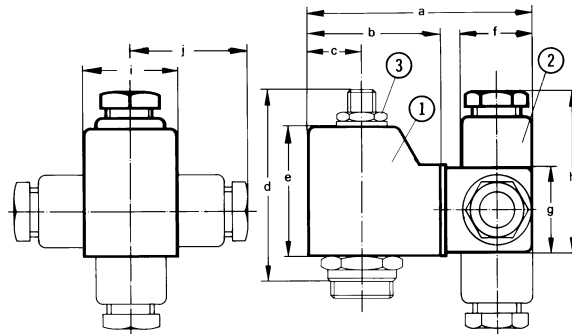
Note:

The following should be used as an RC element for DC (12-220V) for contact arc suppression.



To be used with aluminum valves only with $\geq 20 \times 1.25 \times 1.0$ in / $50 \times 32 \times 25$ mm body dimensions.

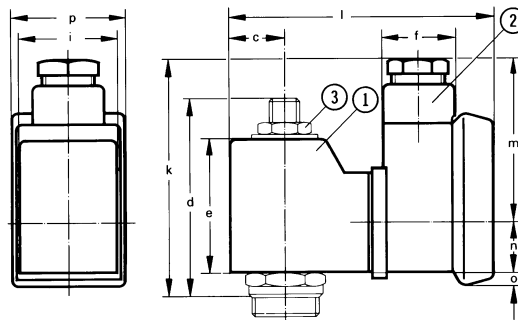
- ① Solenoid coil can be rotated on an armature tube
- ② Plug connection can be turned 90°
- ③ Maximum torque for mounting nuts:
35.4 lb-in / 400 N.cm



Dimensions

a	2.76 in / 70 mm
b	1.65 in / 42 mm
c	0.67 in / 17 mm
d	2.32 in / 59 mm
e	1.58 in / 40 mm
f	0.87 in / 22 mm
g	1.10 in / 28 mm
h	1.97 in / 50 mm
i	1.16 in / 29.5 mm
j	1.46 in / 37 mm
k	2.80 in / 71 mm
l	3.15 in / 80 mm
m	1.93 in / 49 mm
n	0.59 in / 15 mm
o	0.16 in / 4 mm
p	1.36 in / 34.5 mm

For 250-380 V



Order Number					
DC			AC 50 Hz to 60 Hz		
Part No.	Type	Voltage	Part No.	Type	Voltage
3598	MSG-	12V	3589	MSW-	24V
3599	MSG-	24V	3594	MSW-	42V
			3591	MSW-	110V
			3592	MSW-	220/230V
			7704	MSW-	24/60V
			7705	MSW-	42/60V
			4125	MSW-	110/60V
			4126	MSW-	220/60V

Order Number (See Table)	Type MSG + Voltage	Type MSW + Voltage + Frequency
Design	DC solenoid	AC solenoid
Voltage	Standard	12, 24V
	Available	6 to 240V
Permissible Voltage Variation	± 10%	± 10% at nominal frequency
Permissible Frequency Variation	—	± 5% at nominal voltage
Power Consumption	12 W	Inrush: 30 VA Holding: 22 VA
Response Time	100%	
Protection Type (DIN 40050)	IP 65	
Ambient Temperatures	23 to 104°F / -5 to +40°C	
Minimum Energizing Time	20 ms	
Power Factor cos ø	—	0.5
Weight	0.375 lb / 0.170 kg	0.375 lb / 0.170 kg

14 to 140°F / -10 to +60°C temperature range of medium

Solenoid Actuated Valves

Solenoid Coils without Sockets, for C-Coils



Solenoid Coil (C coil)

Without Sockets

With Pin Connections for Plug to DIN 43650

DC:

Type MSG-...-OD

AC:

Type MSW-...-OD

These solenoids can be mounted on the following solenoid-actuated valves:

Types MC, MOC, JMC, MLC,
Types CM-...-C and CH
CJM-...-C and CH.

Solenoid coils comply with VDE Specification 0580, insulation class F.

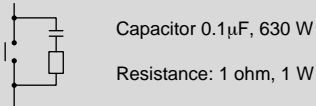
These solenoids may be changed without disturbing the pneumatic circuit.

Test Certificate: VDE

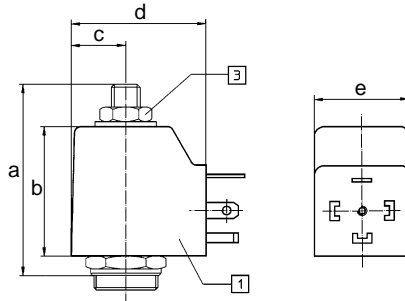
CSA approval only when used with certain valves.

Note:

The following should be used as an RC element for DC (12-220V) for contact arc suppression.



To be used with aluminum valves only with $\geq 20 \times 1.25 \times 1.0$ in. / $50 \times 32 \times 25$ mm body dimensions.



- 1 Solenoid coil can be rotated on the solenoid stem
- 2 Torque for mounting nuts:
min. 17 lb in / 200 Ncm
max. 34 lb in / 400 Ncm

Dimensions

- a 2.32 in / 59 mm
- b 1.57 in / 40 mm
- c 0.66 in / 17 mm
- d 1.65 in / 42 mm
- e 1.16 in / 29.5 mm

Accessories:

Standard Sockets

Order Number
34583 MSSD-C

Sockets with cable,
Type KMC-...,
see page 460.

LED gaskets, see pages
462-463.

Order Number						
DC			AC			
Part No.	Type	Voltage	Part No.	Type	Voltage	
34400	MSG	-12 -OD	50 Hz			
34401	MSG	-24 -OD	34402	MSW	-24	-OD
			34403	MSW	-42	-OD
			34404	MSW	-48	-OD
			34405	MSW	-110	-OD
			34407	MSW	-220/230	-OD
			34409	MSW	-240	-OD
			60 Hz			
			34406	MSW	-110	-60-OD
			34408	MSW	-230	-60-OD

Order Number (See Table)	Type MSG + Voltage + OD	Type MSW + Voltage + Frequency + OD
Design	DC solenoid	AC solenoid
Standard Voltage	12, 24 V	24, 42, 48, 110, 220, 240V / 50 to 60 Hz
Permissible Voltage Variation	$\pm 10\%$	$\pm 10\%$
Permissible Frequency Variation	–	$\pm 5\%$
Power Consumption	12 W	Inrush: 30 VA, Holding: 22 VA
Response Time	100%	
Protection Type (DIN 40050)	IP 65	
Ambient Temperature	23 to 104°F / -5 to +40°C	
Medium Temperature	14 to 140°F / -10 to +60°C	
Minimum Energization Time	20 ms	
Power Factor $\cos \varnothing$	–	0.5
Weight	0.330 lb / 0.150 kg	0.330 lb / 0.150 kg