

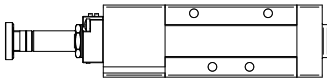
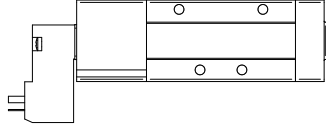
MF-SpoolCore™ SENSOR

3&5 3&5 WAYS THREADED VALVES SPOOL BODY POSITION SENSOR

- Range G1/8" ÷ G1/4"
- Suitable for use with vacuum
- Available with external pilot
- Suitable for modular base assembly
- Low-power consumption coil
- Also available with other voltage ratings upon request



TECHNICAL FEATURES

Fluid	Filtered compressed air, with or without lubrication -			
Ambient Temp.	-20 ÷ +50°C			
Fluid Temp.	Max +50°C			
Pilot Supply	Internal			
Function	5/3 closed centers - 5/3 open centers - 5/3 pressure centers			
Control	Indirect Electric			
Return	Mechanical / pneumatic spring / indirect electric control			
Manual control	Push-button			
Working Pressure	10 bar max		8 bar max	
Connection	G 1/8"	G 1/4"	G 1/8"	G 1/4"
Shape				
Ø electric operator (mm)	10		15x15	
Absorption	3,5W (DC) - 5VA (AC) 2,5W (DC) - 3,3VA (AC)			
Voltage	12V DC - 24V DC - 24V AC - 110V AC - 220V AC			
Mounting position	Any			
Materials	Body: aluminum / Seals: PU - NBR / Internal parts: aluminum - PO			

PRODUCT DATA & CODES | ELECTRIC CONTROL

	Connection	Control	Actuation	Ø (mm)	Flow rate (NL/min)	Working pressure from/to (bar)	Time Exc.12/ Dis.10 (ms)	Electric Pilot Ø (mm)	Weight (gr)	Coil Voltage/ Power	Code
	G 1/8"	3/2 NC	Sol/Air	6,5	850	2,5 --- 10	22/20	10	220	---	-MF-S0300T
	G 1/4"	3/2 NC	Sol/Air	8,0	1400	2,5 --- 10	25/28	10	320	---	-MF-S9300T
	G 1/8"	3/2 NC	Sol/Air	6,5	850	2,5 --- 8	22/20	---	215	24cc/1W	-MF-S0300F02
	G 1/4"	3/2 NC	Sol/Air	8,0	1400	2,5 --- 8	25/28	---	310	24cc/1W	-MF-S9300F02
	G 1/8"	3/2 NC	Sol/Spring	6,5	850	2,5 --- 10	20/24	10	225	---	-MF-S0302AT
	G 1/4"	3/2 NC	Sol/Spring	8,0	1400	2,5 --- 10	22/35	10	325	---	-MF-S9302AT
	G 1/8"	3/2 NC	Sol/Spring	6,5	850	2,5 --- 8	22/20	---	220	24cc/1W	-MF-S0302AF02
	G 1/4"	3/2 NC	Sol/Spring	8,0	1400	2,5 --- 8	25/28	---	315	24cc/1W	-MF-S9302AF02
	G 1/8"	5/2	Sol/Air	6,5	850	2,5 --- 10	23/20	10	225	---	-MF-S0600T
	G 1/4"	5/2	Sol/Air	8,0	1400	2,5 --- 10	24/32	10	375	---	-MF-S9600T
	G 1/8"	5/2	Sol/Air	6,5	850	2,5 --- 8	23/20	---	250	24cc/1W	-MF-S0600F02
	G 1/4"	5/2	Sol/Air	8,0	1400	2,5 --- 8	24/32	---	370	24cc/1W	-MF-S9600F02
	G 1/8"	5/2	Sol/Spring	6,5	850	2,5 --- 10	20/25	10	260	---	-MF-S0602AT
	G 1/4"	5/2	Sol/Spring	8,0	1400	2,5 --- 10	24/43	10	380	---	-MF-S9602AT
	G 1/8"	5/2	Sol/Spring	6,5	850	2,5 --- 8	20/25	---	255	24cc/1W	-MF-S0602AF02
	G 1/4"	5/2	Sol/Spring	8,0	1400	2,5 --- 8	24/43	---	375	24cc/1W	-MF-S9602AF02
	G 1/8"	5/2	Sol/Sol	6,5	850	2,5 --- 10	19/19	10	335	---	-MF-S0620T
	G 1/4"	5/2	Sol/Sol	8,0	1400	2,5 --- 10	21/21	10	465	---	-MF-S9620T
	G 1/8"	5/2	Sol/Sol	6,5	850	2,5 --- 8	19/19	---	325	24cc/1W	-MF-S0620F02
	G 1/4"	5/2	Sol/Sol	8,0	1400	2,5 --- 8	21/21	---	455	24cc/1W	-MF-S9620F02
	G 1/8"	5/3 CC	Sol/Sol	6,5	850	2,5 --- 10	21/28	10	320	---	-MF-S0680T
	G 1/4"	5/3 CC	Sol/Sol	8,0	1400	2,5 --- 10	25/39	10	470	---	-MF-S9680T
	G 1/8"	5/3 CC	Sol/Sol	6,5	850	2,5 --- 8	21/28	---	330	24cc/1W	-MF-S0680F02
	G 1/4"	5/3 CC	Sol/Sol	8,0	1400	2,5 --- 10	25/39	---	480	24cc/1W	-MF-S9680F02
	G 1/8"	5/3 OC	Sol/Sol	6,5	850	2,5 --- 10	21/28	10	320	---	-MF-S0685T
	G 1/4"	5/3 OC	Sol/Sol	8,0	1400	2,5 --- 10	25/39	10	470	---	-MF-S9685T
	G 1/8"	5/3 OC	Sol/Sol	6,5	850	2,5 --- 8	21/28	---	330	24cc/1W	-MF-S0685F02
	G 1/4"	5/3 OC	Sol/Sol	8,0	1400	2,5 --- 8	25/39	---	480	24cc/1W	-MF-S9685F02
	G 1/8"	5/3 PC	Sol/Sol	6,5	850	2,5 --- 10	21/28	10	320	---	-MF-S0690T
	G 1/4"	5/3 PC	Sol/Sol	8,0	1400	2,5 --- 10	25/39	10	470	---	-MF-S9690T
	G 1/8"	5/3 PC	Sol/Sol	6,5	850	2,5 --- 8	21/28	---	330	24cc/1W	-MF-S0690F02
	G 1/4"	5/3 PC	Sol/Sol	8,0	1400	2,5 --- 8	25/39	---	480	24cc/1W	-MF-S9690F02

CC : Closed centers / OC : Open Centers / PC: Pressurized Centers

ACCESSORIES & SPARE PARTS

► Function 100% EDP ► Voltage ± 10% ► Frequency ± 5%

COILS

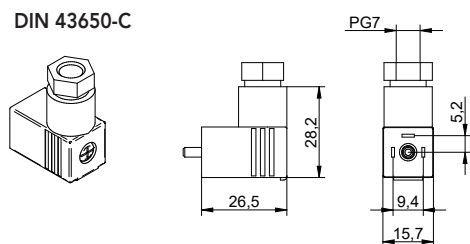
	Coil width (mm)	Operator Ø (mm)	Voltage	Power	Code
	22	10	12 VDC	3,5 W	-MF-0050
	22	10	24 VDC	3,5 W	-MF-0051
	22	10	24 VAC	5 VA	-MF-0106
	22	10	110 VAC	5 VA	-MF-0108
	22	10	220 VAC	5 VA	-MF-0124
	30	10	12 VDC	2,5 W	-MF-0301
	30	10	24 VDC	2,5 W	-MF-0302
	30	10	24 VAC	3,3 VA	-MF-0307
	30	10	110 VAC	3,3 VA	-MF-0309
	30	10	220 VAC	3,3 VA	-MF-0310

► IP65 ► PG9

CONNECTORS

	Coil width (mm)	Voltage	Led-Vdr	Code
DIN 43650-B 	22	24V - 48V - 110 V- 220 V	-	-AM-5110
	22	24 volt	✓	-AM-5112L
	22	110 volt	✓	-AM-5113L
	22	220 volt	✓	-AM-5114L
DIN 43650-A 	30	24V - 48V - 110 V- 220 V	-	-AM-5111
	30	24 volt	✓	-AM-5115L
	30	110 volt	✓	-AM-5116L
	30	220 volt	✓	-AM-5117L

DIN 43650-C

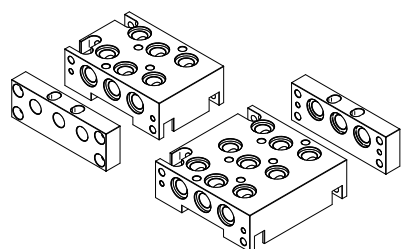


► IP65 ► PG7

15	24V - 48V - 110 V- 220 V	-	-AM-5109
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MANIFOLDS

Size	Description	Code
G 1/8"	Inlet plate	-MF-S7800
G 1/8"	2 positions sub-base	-MF-S7702
G 1/8"	3 positions sub-base	-MF-S7703
G 1/4"	Inlet plate	-MF-S8600
G 1/4"	2 positions sub-base	-MF-S8702
G 1/4"	3 positions sub-base	-MF-S8703



POSITION SENSORS

Code	-NE-KT36DE3000	NE-KT36PE3000	-NE-KT37DE3000	NE-KT37PE3000
Dimensions				
Connect Diagram				
Exit Orientation	Straight		Right Angle	
Wiring	2-Wire type		2-Wire type	
Switching logic	Solid State Output, Normally Open		Solid State Output, Normally Open	
Sensor Type	---		---	
Operating Voltage	5 ~ 30 V DC		5 ~ 30 V DC	
Switching Current	50 mA max.		50 mA max.	
Contact Rating	1.5 W max.		1.5 W max.	
Current Consumption	---		---	
Voltage Drop	3.5 V max.		3.5 V max.	
Leakage Current	0.1 mA (40 uA) max.		0.1 mA (40 uA) max.	
Indicator	Red LED		Red LED	
Lead Wire	Ø2.6 PVC - 26 AWG (0.15 mm ²) 2 cores	Ø2.6 PVC - 26 AWG (0.15 mm ²) 3 cores	Ø2.6 PVC - 26 AWG (0.15 mm ²) 2 cores	Ø2.6 PVC - 26 AWG (0.15 mm ²) 3 cores
Operating Frequency	1000 Hz max.		1000 Hz max.	
Magnet Requirement	40 ~ 1000 Gauss		40 ~ 1000 Gauss	
Temperature Range	-10 ~ 70 °C		-10 ~ 70 °C	
Shock	50 G		50 G	
Vibration	9 G		9 G	
Enclosure	IEC 60529 IP67		IEC 60529 IP67	
Protection Circuit	3, 4		3, 4	