



Excel 22 (M/48, M/49)

Solenoid actuated 22 mm poppet valves

Sub-base

3/2, M5, G1/8





Miniature 22 mm normally open and normally closed models

Sub-base mounted and manifold mounted - compact and convenient

Manual override as standard

Technical data

Medium:

Compressed air, filtered, lubricated

and non lubricated.

Operating pressure:

0 to 10 bar

Flow:

Orifice I/min 30 1,0 mm 1,6 mm 77

Ambient temperature:

-20°C to +50°C.

Consult our Technical Service for use below +2°C.

Materials

Coil: glass reinforced thermo plastic Manual override base: glass reinforced nylon

Armature: stainless iron Sub-base: aluminium

Seals: nitrile

Tube & spring: stainless steel

Alternative models

2/2 N/C models N/O models

Push button manual operators

15 mm models 32 mm models

Flying lead coils

Viton

Contact our Technical Service for details.

Size	Function	Actuation	kg	Mounting	Model 1,0 mm orifice (low power)	1,6 mm orifice
M5	3/2 NC	Sol/spring	0,13	Single	M/48/MAZ***	M/48/MDZ***
M5	3/2 NC	Sol/spring	0,31 0,9	Manifold	DM/48/MAZ***/T‡	DM/48/MDZ***/T‡
G1/8	3/2 NC	Sol/spring	0,14	Single	M/49/MAZ***	M/49/MDZ***
G1/8	3/2 NC	Sol/spring	0,31 0,9	Manifold	DM/49/MAZ***/T‡	DM/49/MDZ***/T‡

Service kits are not available for these valves *** Insert voltage codes from table below.

Voltage codes

Electrical details for solenoid operators

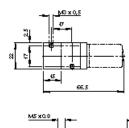
Voltage tolerance:	±10%			
Rating:	100% E.D.			
Inlet orifice:	1,0 mm or 1,6 mm			
Electrical connection:	22 mm Industrial Standard*			
Protection class:	IP 65 (DIN 40 050) with plug fitted			
Cable entry:	Pg 9			
Manual override:	Screwdriver operated, memory type, standard			

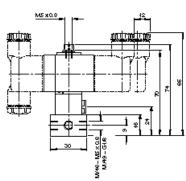
^{*}Form B electrical connections available - please refer to data sheets.

Voltage	1,0 mm orifice (low power)			1,6 mm orifice		
	Code	Power	Coil	Code	Power	Coil
12 V d.c.	12J	2 W	QM/48/12J/21	82J	7,5 W	QM/48/82J/21
24 V d.c.	13J	2 W	QM/48/13J/21	83J	6 W	QM/48/83J/21
24 V 50/60 Hz	14J	4/2,5 VA	QM/48/14J/21	84J	12/8 VA	QM/48/84J/21
110/120 V 50/60 Hz	18J	4/2,5 VA	QM/48/18J/21	88J	12/8 VA	QM/48/88J/21
220/240 V 50/60 Hz	19J	6/5 VA	QM/48/19J/21	89J	12/8 VA	QM/48/89J/21

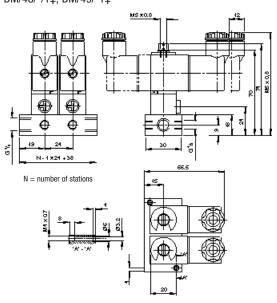
For details of connector plugs and indicators see page 383

M/48, M/49





DM/48/*/T‡, DM/49/*T‡



[‡] Add number of valves in manifold up to 6 maximum.

Order connector plugs separately.