

MEBH-5/3B-D-3-C

Solenoid valve

Data sheet

Part no.: 165621

Page:1

Feature	Data/description
Switching function	5/3-way valve, pressurised in mid-position
Switching function short code	5/3
Function in mid-position (neutral)	Pressurised
Direction of flow reversible	No
Operating principle	Slide
Shape of function component	Piston
Type of regulation	Indirect
Control type	Bistable
Type of reset	Mechanical spring
Type of mounting	Screw
Nominal size	14,5 mm
Operating pressure min.	3 bar
Operating pressure max.	10 bar
Minimum ambient temperature	-5 °C
Maximum ambient temperature	50 °C
Minimum medium temperature	-5 °C
Maximum medium temperature	50 °C
Type of connection, air supply	Sub-base
Air connection type power port	Sub-base
Type of connection, exhaust	Sub-base
Air connection type aux. pilot air suppl	Internal
Air connection type aux. pilot air exhau	Thread
Connecting thread for aux. pilot air exh	M 5
Nominal size sub-base connection	Size 3 in accordance with ISO 5599-1
Standard sub-base connection pattern	ISO 5599-1
Standard plug pattern	DIN 43650-1 plug socket
Plug design	A
Actuation/reset	Double solenoid, spring-centred
Manual override	Non-detenting
Operating status display	No
CT criterion	Free of copper and PTFE

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Page:2

Feature	Data/description
Standard nominal flow rate 1 - 2	4000 l/min
Standard nominal flow rate 2 - 3	4100 l/min
Standard nominal flow rate 1 - 4	4000 l/min
Standard nominal flow rate 4 - 3/5	4100 l/min
Standard nominal flow rate (mid-pos.)	3800 l/min
Response time OFF/OVER (dom.)	38 ms
Response time OFF/OVER	130 ms
Voltage type	DC
Nominal voltage	24 V
Power consumption (DC)	2,5 W
Duty cycle, solenoid	100 %
Medium	Compressed air, filtered 50 µm or vacuum
Pilot medium	Compressed air, filtered 5 µm (may be lubricated)
Degree of protection	IP65