

MN1H-5/3B-D-3-C-CT

Solenoid valve

Data sheet

Part no.: 184650

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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
With exhaust flow control	Yes
Type of regulation	Indirect
Control type	Bistable
Type of reset	Mechanical spring
Grid dimension	71 mm
Type of mounting	Screw
Installation position	Any
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	Sub-base
Nominal size sub-base connection	Size 3 in accordance with ISO 5599-1
Standard sub-base connection pattern	ISO 5599-1
Actuation/reset	Double solenoid, spring-centred
Manual override	Detenting manual override
Operating status display	No
Material of housing	AL, die-cast metal

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Feature	Data/description
Material of seals	NBR-Elastomer
CT criterion	Free of copper and PTFE
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.)	35 ms
Response time OFF/OVER	78 ms
Voltage type	DC
Nominal voltage	24 V
Power consumption (DC)	2,5 W
Medium	Compressed air, filtered 50 µm or vacuum
Degree of protection	IP65