

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

Solenoid valve

Data sheet

Part no.: 184650

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Feature	Data/description
Switching function	<b>5/3-way valve, pressurised in mid-position</b>
Switching function short code	<b>5/3</b>
Function in mid-position (neutral)	<b>Pressurised</b>
Direction of flow reversible	<b>No</b>
Operating principle	<b>Slide</b>
Shape of function component	<b>Piston</b>
With exhaust flow control	<b>Yes</b>
Type of regulation	<b>Indirect</b>
Control type	<b>Bistable</b>
Type of reset	<b>Mechanical spring</b>
Grid dimension	<b>71 mm</b>
Type of mounting	<b>Screw</b>
Installation position	<b>Any</b>
Nominal size	<b>14,5 mm</b>
Operating pressure min.	<b>3 bar</b>
Operating pressure max.	<b>10 bar</b>
Minimum ambient temperature	<b>-5 °C</b>
Maximum ambient temperature	<b>50 °C</b>
Minimum medium temperature	<b>-5 °C</b>
Maximum medium temperature	<b>50 °C</b>
Type of connection, air supply	<b>Sub-base</b>
Air connection type power port	<b>Sub-base</b>
Type of connection, exhaust	<b>Sub-base</b>
Air connection type aux. pilot air suppl	<b>Internal</b>
Air connection type aux. pilot air exhau	<b>Sub-base</b>
Nominal size sub-base connection	<b>Size 3 in accordance with ISO 5599-1</b>
Standard sub-base connection pattern	<b>ISO 5599-1</b>
Actuation/reset	<b>Double solenoid, spring-centred</b>
Manual override	<b>Detenting manual override</b>
Operating status display	<b>No</b>
Material of housing	<b>AL, die-cast metal</b>

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<b>Feature</b>	<b>Data/description</b>
Material of seals	<b>NBR-Elastomer</b>
CT criterion	<b>Free of copper and PTFE</b>
Standard nominal flow rate 1 - 2	<b>4000 l/min</b>
Standard nominal flow rate 2 - 3	<b>4100 l/min</b>
Standard nominal flow rate 1 - 4	<b>4000 l/min</b>
Standard nominal flow rate 4 - 3/5	<b>4100 l/min</b>
Standard nominal flow rate (mid-pos.)	<b>3800 l/min</b>
Response time OFF/OVER (dom.)	<b>35 ms</b>
Response time OFF/OVER	<b>78 ms</b>
Voltage type	<b>DC</b>
Nominal voltage	<b>24 V</b>
Power consumption (DC)	<b>2,5 W</b>
Medium	<b>Compressed air, filtered 50 µm or vacuum</b>
Degree of protection	<b>IP65</b>