

MD5B, MD10B, MD20B, MD40B

The MD...B are on/off damper actuators designed for operating air control dampers in ventilation and air conditioning systems for building services installations.

The actuators are available in 24 Vac/Vdc or 230 Vac versions.

Versions available with integrated end point switch (-S types).
Auxiliary switch also available as an accessory.



Specification

Connection cable	
Actuator	1 m, 3×0.75 mm ² (AWG 18)
Auxiliary switches (-S)	1 m, 3×0.75 mm ² (AWG 18)
Angle of rotation	max. 95° (adjustable by mechanical stops)
Running time	150 s
Direction of rotation	Reversible with switch 0 / 1 at switch position 0 resp 1
Position indication	Mechanical
Auxiliary switch	1 mA...3 (0.5) A, 250 Vac
Switching point	(adjustable 0...100%)

Standards conformity	
EMC, emission	EN61000-6-3: 07
EMC, immunity	EN 61000-6-2: 05
LVD Safety; MD5B-230(-S)	EN 60730-1/2-14
Protection Class	
MD..B-24(-S)	III Safety extra-low voltage
MD..B-230(-S)	II Totally insulated
Enclosure rating	IP 54
Ambient humidity	95% RH, non condensing
Ambient temperature	
Operation	-30...+50°C
Storage	-40...+80°C
Maintenance	Maintenance free

Part number	Description	Torque Nm	Power supply	Power Consumption		
				In operation	At rest	For Transformer Sizing
875 1001 000	MD5B-230	5	230 Vac -60%/+15%	1.5 W	0.4 W	3.5 VA
875 1003 000	MD5B-230-S	5	230 Vac -60%/+15%	1.5 W	0.4 W	3.5 VA
875 1005 000	MD5B-24	5	24 Vac/Vdc ± 20%	1 W	0.2 W	1.5 VA
875 1007 000	MD5B-24-S	5	24 Vac/Vdc ± 20%	1 W	0.2 W	1.5 VA
875 1011 000	MD10B-230	10	230 Vac -60%/+15%	2.5 W	0.6 W	5.5 VA
875 1015 000	MD10B-24	10	24 Vac/Vdc ± 20%	1.5 W	0.2 W	3.5 VA
875 1021 000	MD20B-230	20	230 Vac -60%/+15%	2.5 W	0.6 W	6 VA
875 1025 000	MD20B-24	20	24 Vac/Vdc ± 20%	2 W	0.2 W	4 VA
875 1035 000	MD40B-24	40	24 Vac/Vdc ± 20%	4 W	2 W	6 VA

Description	For air control dampers area	Damper spindle	Spindle length mm	Spindle diameter mm
MD5	approx. 1 m ²		min. 37	6...20
MD10	approx. 2 m ²	Clamp on top	min. 40	8...26.7
		Clamp on bottom*	min. 20	8...20
MD20	approx. 4 m ²	Clamp on top	min. 42	10...20
		Clamp on bottom	min. 20	10...20
MD40	approx. 8 m ²	Clamp on top	min. 42	14...26
		Clamp on bottom	min. 20	14...26

* Optional accessory K-MD10 part number 914-1062-000 For damper actuator accessories see page 78.