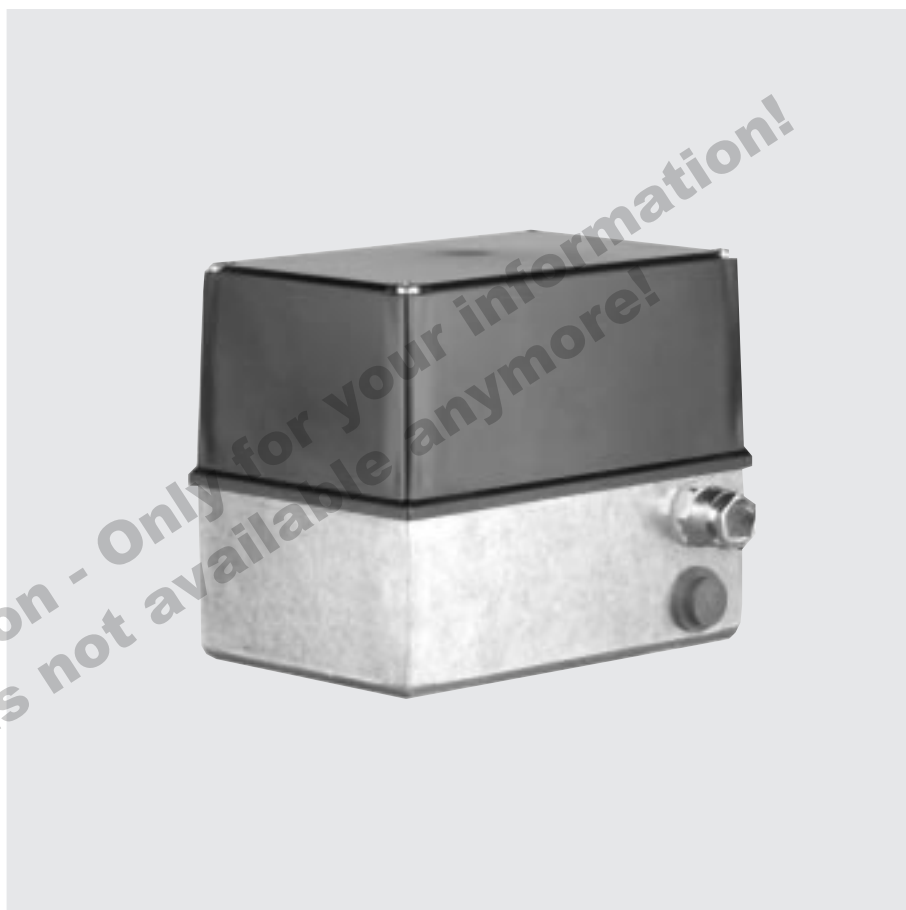


- Actuator Drives for**
- hot air valves
DMKH and DMKH-A
 - motorised butterfly
valve DMK
 - motorised throttle DML

DUNGS®

11.21



Technical Description

Various types of actuator drives (synchronous motors, motorised return) are available for DUNGS motorised butterfly valves DMKH and DMKH-A:

DMA ... W ...

The choice of the actuator drive depends on the type of application. Simple installation/replacement due to standardised mounting plate.

Application

In combination with DUNGS hot air butterfly valves DMKH and DMKH-A, the actuator drives are used to regulate the supply of pre-heated air to gas burners and gas appliances for industrial thermal processing systems.

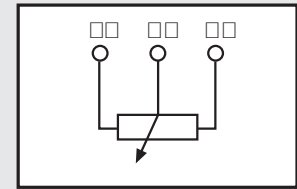
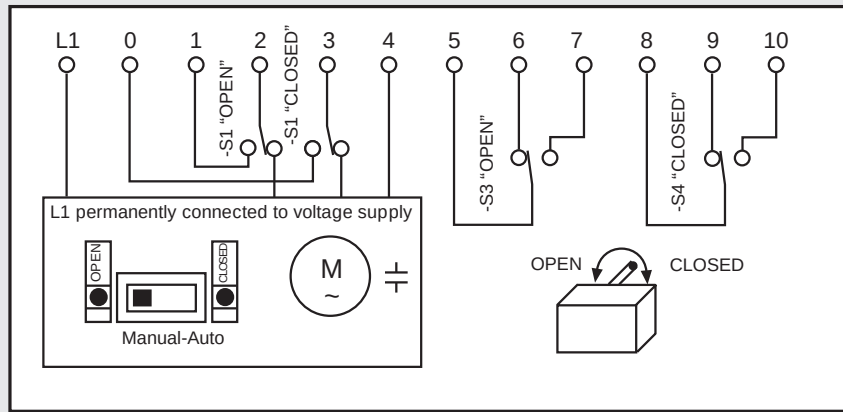
Approvals

The actuator drives comply with the fundamental requirements of the Electromagnetic Compatibility Directive and the Low Voltage Directive.

Technical Data

Type	DMA34 W 230/07 3	DMA 60 W 230/07 3	DMA 34 W 230/20 3	DMA 60 W 230/20 3
Order no.	241 880	241 878	241 881	241 879
Operating time for 90 °	34s	60s	34s	60s
Switch-on duration	100%	100%	100%	100%
Voltage/frequency	~(AC) 230V 50 Hz	~(AC) 230V 50 Hz	~(AC) 230V 50 Hz	~(AC) 230V 50 Hz
Degree of protection	IP65	IP65	IP65	IP65
Ambient temperature	-15 °C to 60 °C	-15 °C to 60 °C	-15 °C to 60 °C	-15 °C to 60 °C
Weight	1.7 kg	1.7 kg	1.7 kg	1.7 kg
Power consumption	4,2 VA	2,2 VA	6,5 VA	4,2 VA
Number of cams	4	4	4	4
Function, colour				
- min.	red	red	red	red
- max.	white	white	white	white
- potential-free, travelling	red, white	red, white	red, white	red, white
Cam adjustment	lever	lever	lever	lever
Actuation	~(AC) 230 V, 1A max., Ohmic load	~(AC) 230 V, 1A max., Ohmic load	~(AC) 230 V, 1A max., Ohmic load	~(AC) 230 V, 1A max., Ohmic load
Operating mode	automatic/manual	automatic/manual	automatic/manual	automatic/manual
Potentiometer	optional, 1 kOhm	optional, 1 kOhm	optional, 1 kOhm	optional, 1 kOhm
Torque at the shaft	7 Nm	7 Nm	20 Nm	20 Nm
Static holding torque	3,5 Nm	2,5 Nm	14 Nm	6,5 Nm
Permissible lateral force on the shaft centre	120 N	120 N	120 N	120 N
Shaft diameter	10 mm	10 mm	10 mm	10 mm
Shaft end knurled	yes	yes	yes	yes
Housing material	zinc diecast, polycarbonate	zinc diecast, polycarbonate	zinc diecast, polycarbonate	zinc diecast, polycarbonate
Installation position	Cable bushing and shaft not upwards	Cable bushing and shaft not upwards	Cable bushing and shaft not upwards	Cable bushing and shaft not upwards

Circuit Diagrams



Accessories

Potentiometer for DMA ... W ... 1000 Ohm

Assembly set for DML ..., DMK ...

Assembly set for DMKH ... up to 450 °C

Assembly set for assembly flange as per ISO5211 F05/F07

Hand lever

Order no.

241 885

241 882

241 884

242 326

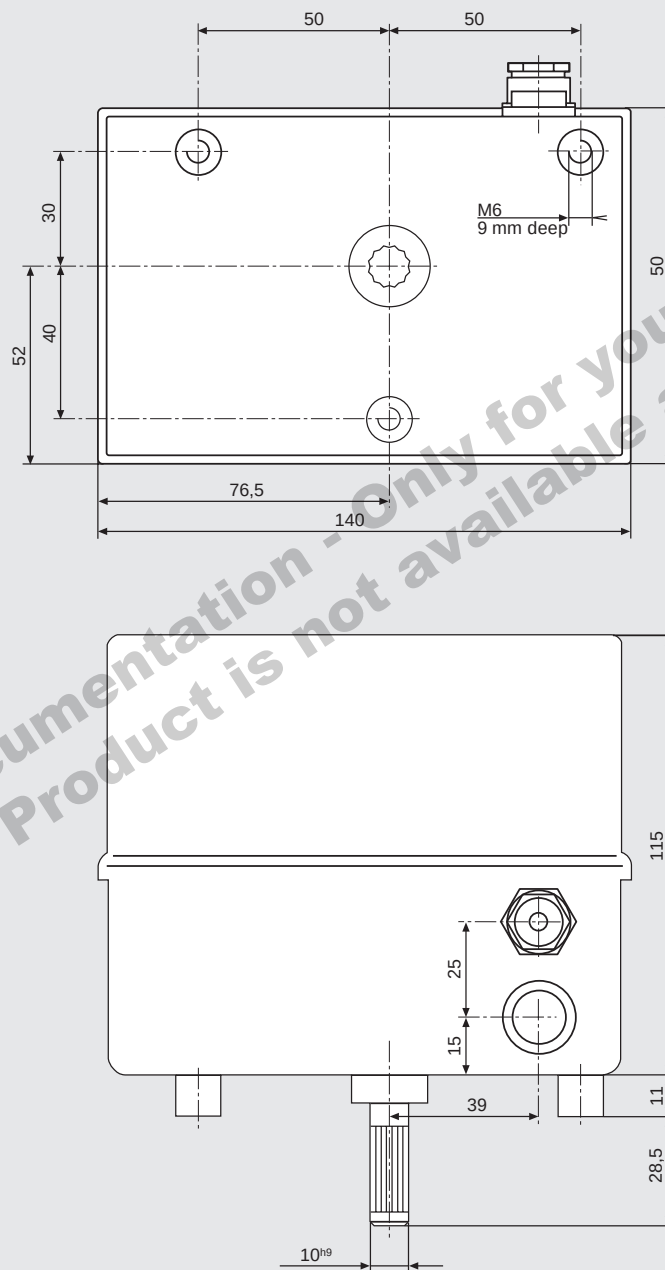
242 234

- Actuator Drives for**
- hot air valves
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 - motorised butterfly
valve DMK
 - motorised throttle DML

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Dimensions [mm]

DMA...W...



We reserve the right to make changes in the interest of technical progress.

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