

Brand: DREHMO®

Range: DREHMO-Matic C

Duty: ON/OFF-Actuators

Types: DMC30 ... DMC1000, DPMC30 ... DPMC1599

Mechanical Design

- TÜV-Certificate of Conformity as proof of characteristics i.e.:
 - Protection Class IP67
 - Durability of 10.000 switching cycles
 - Salt-Mist- and - SO₂-Test
 - Operability in ambient temperature range
- Type of duty S2
- Actuator self locking
- Handwheel not moving on motor operation
- Changing from motor to manual operation without declutch mechanism
- max. allowable handwheel forces acc. to DIN 3250, Page 2
- Protection class IP67 acc. to DIN 40050/IEC 144
- Ambient temperature -25 °C to +70 °C
- Output drive for valve connection acc. to DIN EN ISO 5210 respectively DIN EN ISO 5211
- Corrosion protection K3
- Final coating color RAL 5015 (sky blue)

Electronic equipment

- 3-Phase enclosed squirrel cage motor with thermo switches, voltage 380-420 V / 50 Hz, Isolation class F
 - Contactless and continuous measuring of position and torque by means of DREHMO® combined sensor as absolute value encoder
 - Modular compact control with:
 - Mechanically interlocked motor starters
 - Control transformer
 - Integrated heating to avoid condensation
 - Electrical restarting locking
 - Automatic phase correction
 - Local control station with selector switch S1 for LEARN/LOCAL/0/REMOTE, control switch S2 for OPEN/STOP/CLOSE, LEARN-push button and local lamps (CLOSE/FAILURE/OPEN) setting of end position and 4-20 mA feedback signal without removing of cover via LEARN function possible
-

- Programming by DIL-Switches of:
 - Switch of (torque or position)
 - Torque override to operate valve (with stall torque) from seat
 - Control by self holding or inching contact
- Digital inputs by optical relays (24 VDC) OPEN/STOP/CLOSE
- Digital outputs:
 - Limit position OPEN/CLOSE
 - Failure
 - Running indication
 - REMOTE/LOCAL-indication
 - Torque- (Failure) OPEN/CLOSE
 - Indication of end position and failure via LED on control unit
- Electrical connection on compact plug connector, cable entry 2xM32x1,5 und 1xM20x1,5 with blind plug
- Wiring diagram: MC002-XX01-AAAA-DAA

Options

- Analogue position feedback (4-20 mA), MC003
 - Drive to emergency safe position
 - Integrated fielbus-interface
 - Corrosion protection K4 for aggressive atmospheres
 - Corrosion protection K5 for extremely aggressive atmospheres
 - Protection class IP68
-