



FEATURES – Both body and core are made in zinc plated tropicalised steel, shaft in stainless steel, dampers of stroke end in FPM (O-ring), shaft end in PTFE: shaft sliding in PTFE coated bushings, ready to accept connection of temperature sensor. Class F insulation (155°C) with winding made by class H wire (180°C) encapsulated in epoxy resin. Solenoid complying with VDE 0580 directive and 100% inspected.

PROTECTION DEGREE - IP 40 (EN 60529).

ELECTRICAL CONNECTIONS - N° 2 monopolar cables in tin-plated copper AWG 20 with ETFE coating, free length 180 mm.

STANDARD VOLTAGES - Direct current (DC) 24 V.

Series and type	Stroke (mm)	Force at maximum air gap ⁽¹⁾ (N)	Force at zero air gap ⁽²⁾ (N)	Total weight (kg)
C258FY01	4	105	125	0,74

- (1) - Measurement of force at **I_{max} = 3,2 A**
- (2) - Measurement of force at stabilised **I = 0,59 A**

The current values have been calculated through the resistance R_c measured in climatic chamber at + 65°C without air recycling.

Test cycle: 0,5s at 25V + 4,5s at 4,6 V + 5s OFF.

Calculation formulas:

$$I_{max} = 22.5V / R_c$$

$$I_{stab} = 18\% \text{ di } 22.5V / R_c$$