

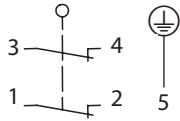
Metal bodied limit switch

Series M49

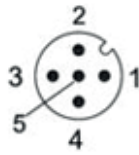
Description **M49-A2 AV M12**

Article number **6023000105**

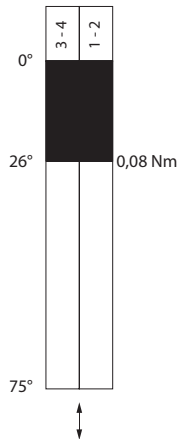
Operating symbol





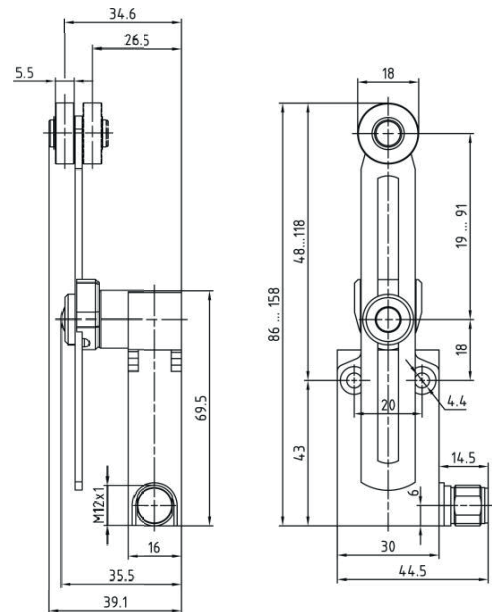
Plug



Operating diagram



 On
  Off
 Tolerance:
 Operating points $\pm 1^\circ$;
 Operating torque $\pm 0,01 \text{ Nm}$



Electrical Data

Rated insulation voltage	U_i 250 V
Conv. thermal current	I_{the} 4 A
Rated operational voltage	U_e 240 V AC / 24 V DC
Utilization category	AC-15, 240 V / 3 A; DC-13, 24 V / 2 A
Short-circuit protective device	Fuse 4 A gG
$U_e < 500 \text{ V a.c.}$ - gG type fuses	
Protection class	I

Mechanical data	
Enclosure	Zn die-casting, powder coated, RAL 7001 (silver gray)
Actuator	Axle lever housing (Zn die-casting, galvanized), lever (steel, galvanized), roller (nylon)
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Slow action, 2 N.C. (Form Zb)
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	3600 / h
Velocity for actuating	0,5 m/s
Resistance between contacts	< 25 mΩ
Connection	1 x plug M12x1 ; 5-pole, male
Weight	0,170 kg
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals
cUL _{US} (B300, R300)

Notes
Type 4 -X – 6 enclosure ("outdoor use - raintight - watertight corrosion resistant") acc. to UL50