



<b>Mechanical data</b>	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Lever with roller (Thermoplastic)
Actuating force	$F_B$ 10 N $\leq F_B \leq$ 30 N
Operating temperature	-30 °C ... +75 °C
Storage temperature	-40 °C ... +80 °C
Protection type	IP66 / IP67 acc. EN 60529
Pollution degree (built-in switch)	3
Contact material	silver
Device Class (built-in switch)	Category E (MC3+CC2+SC1) acc. EN 60947-1 annex Q
Contact type	1 N.C. (Form Zb), 1 N.O.
Operating rate	$V$ 0,06 m/min $\leq V \leq$ 30 m/min
Bounce duration	ms < 3 ms
Switchover time	ms < 8 ms
Switching frequency	$\leq$ 60 / min.
Mechanical life	10 x 10 <sup>6</sup> operating cycles
Mission time	$\leq$ 20 years
Connection	Connector M12x1, A-coded, Pin 1 and Pin 4 are used only
Conductor cross-sections	Solid or Litz wire with ferrules 0,34 mm <sup>2</sup> - 1,5 mm <sup>2</sup> ; AWG 22-16
Cable entrance	1 x M20 x1,5
Weight	$\approx$ 0,08 kg
Installation position	operator definable

<b>Actuation</b>
<p>The actuating device is preferably started from 1 side.                      By lifting the clamp the actuation assembly can be rotated in 45° increments such that 8 actuation directions are possible.                      The actuation assembly is to be again fastened to the housing by lowering the clamp.</p>

<b>ID for safety engineering</b>	
B10d N.C.	20 x 10 <sup>6</sup> cycles
B10d N.O.	1 x 10 <sup>6</sup> cycles

<b>Standards</b>
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
UL 508 / CSA C22.2 No.14
DIN EN ISO 13849-1
EN81-20
EN81-50

<b>EU Conformity</b>
acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)

Approvals	
	DGUV (AC 15, $U_e/I_e$ 240 V / 1,5 A; DC 13, $U_e/I_e$ 24 V / 1,5 A)
	CCC (AC 15, $U_e/I_e$ 240 V / 1,5 A; DC 13, $U_e/I_e$ 24 V / 1,5 A)
	cCSA <sub>US</sub> B300, 240Vac 1.5A G.P., 24Vdc 1.5A R. Enclosure Type 4X
	TÜV SÜD (AC 15, $U_e/I_e$ 240 V / 1,5 A; DC 13, $U_e/I_e$ 24 V / 1,5 A)

Notes	
<p>The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector.                      The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures.                      The connector must not be connected or disconnected when voltage is applied.                      The mechanical life of the connector is 100 connection cycles.                      The push bolt actuator is mainly intended to be actuated along its axis.</p>	