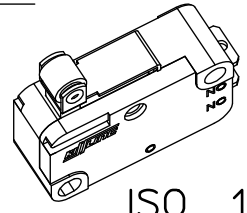
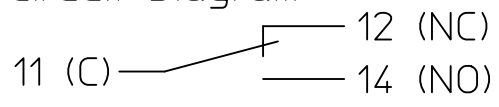


Circuit Diagram



Construction

Micro Switch version iaw DIN EN 60947-5-1 Change-over with single-break and three terminals
Housing material Thermoplast GF (halogen free)
Cover material Thermoplast GF (halogen free)
Connections Solder Connectors
Protection Interior IP 40 DIN EN 60529
Connections IP 00 DIN EN 60529
Forced Opening (NC) in accordance with DIN EN 60947-5-1
Environmental tracking performance iaw DIN EN 50124-1 PD3
Fire protection UL 94 V-0

Mechanical Data

Operating force 1.5 to 3 N
Release force >1 N
Max. operating force <10 N
Current carrying parts Cu-Alloy
Contact material Ag gal. Au
Life cycle mechanical 30 Mio
Frequency 200 per minute
Operating speed in direction of plunger max. 0,5 m/s
..... min. 0,02 mm/s
Ambient temperature -55°C to +85°C

Electrical Data

Electrical endurance under resistive load

24 V DC	4 A	min. 1 Mio operations
32 V DC	2 A	min. 1 Mio operations
36 V DC	2 A	min. 1 Mio operations
48 V DC	1 A	min. 1 Mio operations
65 V DC	0,3 A	min. 1 Mio operations
72 V DC	0,3 A	min. 1 Mio operations
84 V DC	0,3 A	min. 1 Mio operations
96 V DC	0,2 A	min. 1 Mio operations
110 V DC	0,2 A	min. 1 Mio operations

Inductive load protection is necessary

Electrical Endurance at AC-12 250 V AC 10 A min. 50.000 operations
Electrical Endurance at AC-15 250 V AC 4 A min. 50.000 operations
Declared voltage iaw DIN EN 50155 and DIN EN 50124-1 <= 110 V DC ; <= 250 V AC
Declared insulation voltage iaw DIN EN 60947-5-1 >= 300 V
Declared transient voltage iaw DIN EN 50124-1 >= 2500 V
Thermal current rating (I_{Th}) 10 A
Contact resistance (initial) <= 10 mΩ
min. Declared voltage /-current 5 V DC 0,5 mA
Short circuit protection iaw EN 60947-5-1 recommended Fuse 10 A iaw IEC 60127-2/1, 250 V, F

Date	Name	mm	Scale	 Elektrotechnik - GmbH & Co KG D - 72218 Wildberg	Drawing No:
01.12.2003	Braun	←	2:1		MZT1 361 302 030
Check	14.02.2007	Walz	General Tolerances DIN ISO 2768 mK		NSN.: