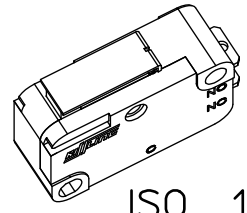
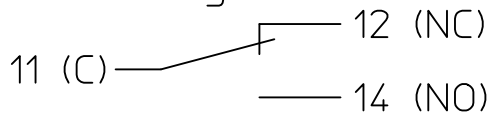


### Circuit Diagram



ISO 1:1

### 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 <sub>TH</sub> )	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:
Drawn	25.11.2003	Braun	←	2:1		MZT1 041 302 030
Check	16.02.2007	Waltz	General Tolerances DIN ISO 2768 mK			NSN.: