

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	TE STANDARD UPDATED	09SEP2024	NM	RB

NOTES:
Bemerkungen:

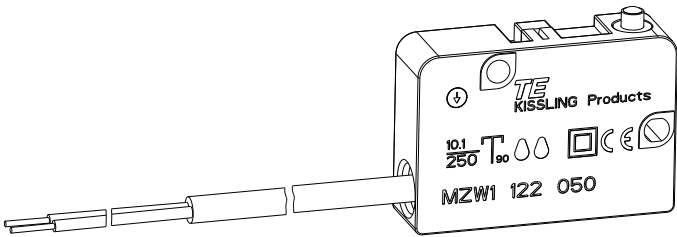
1

TE-CONNECTIVITY ORDER-NUMBER
TE-Connectivity Bestellnummer

CIRCUIT DIAGRAM
Schaltbild

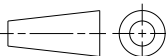
11 BROWN
braun

14 BLUE
blau



ISO 1:1

1	K1152057	A	MICRO SWITCH Mikroschalter	49	1
TE ORDER-NO.	REV.		DESCRIPTION	WEIGHT [g]	ITEM NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Rakshith N	09SEP2024	TE TE Connectivity								
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: DIN ISO 2768-CL		NAME MICRO SWITCH Mikroschalter								
	0 PLC	±	PRODUCT SPEC	SIZE A3			CAGE CODE 00779		DRAWING NO C-MZW 1-122-050		RESTRICTED TO -	
	1 PLC	±										
	2 PLC	±										
	3 PLC	±										
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING						
		ANGLES ±				SCALE 2:1		SHEET 1 OF 2		REV A		

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

CONSTRUCTION
HOUSING MATERIAL THERMOPLAST GF
COVER MATERIAL THERMOPLAST GF
CONNECTION CABLE 2 X 1.5 mm²
PROTECTION IP 67 IEC 60 529
PROTECTIVE INSULATION

MECHANICAL DATA
PRE TRAVEL 0.5 to 1.1 mm
OVERTRAVEL MIN. 1 mm
MOVEMENT DIFFERENTIAL 0.05 TO 0.3 mm
OPERATING FORCE 3 TO 5.1 N
RELEASE FORCE >2 N
MAX. OPERATING FORCE <10 N
CURRENT CARRYING PARTS CU-ALLOY
CONTACT MATERIAL Ag
LIFE CYCLE MECHANICAL 30 MIO
FREQUENCY 200 PER MINUTE
OPERATING SPEED IN DIRECTION OF PLUNGER MAX.0.5 m/s
AMBIENT TEMPERATURE -40°C TO +70°C

ELECTRICAL DATA
NOMINAL VOLTAGE.....250 V AC 24 V DC
CONTINUOUS CURRENT.....10.1 A
MAX. RATINGS.....250V AC 13 A OHMIC LOAD
.....250V AC 9 A cos φ =0.8
.....250V AC 5 A cos φ =0.6
.....250V AC 3 A cos φ =0.4
.....24 V DC 8 A OHMIC LOAD
.....24 V DC 2 A L/R = 50ms
MIN. RATINGS.....12 V DC, 10 mA

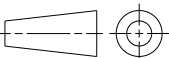
IT IS RECOMMENDED TO USE GOLD-PLATED CONTACTS
FOR LOWER CURRENTS OR VOLTAGES.

Aufbau
Gehaeusewerkstoff Thermoplast GF
Deckelwerkstoff Thermoplast GF
Anschluss Kabel 2 x 1,5 mm²
Schutzart IP 67 IEC 60 529
Schutzisolierung

Mechanische Daten
Vorlauf 0,5 bis 1,1 mm
Nachlauf min. 1 mm
Differenzweg 0.05 bis 0.3 mm
Schaltkraft 3 bis 5,1 N
Rueckschaltkraft >2 N
Betaetigungskraft max <10 N
Stromfuehrende Teile Cu-Legierung
Kontaktwerkstoff Ag
Lebensdauer mechanisch 30 Mio
Schalthaeufigkeit 200 pro Minute
Betaetigungsgeschwindigkeit in Stoesselrichtung max. 0,5 m/s
Umgebungstemperatur -40°C bis +70°C

Elektrische Daten
Nennspannung250 V AC 24 V DC
Dauerstrom10,1 A
Schaltvermögen.....250V AC 13 A ohmsche Last
.....250V AC 9 A cos φ =0.8
.....250V AC 5 A cos φ =0.6
.....250V AC 3 A cos φ =0.4
.....24 V DC 8 A ohmsche Last
.....24 V DC 2 A L/R = 50ms
Schaltleistung min.12 V DC, 10 mA

Fuer kleinere Spannungen bzw. Stroeme empfehlen wir
Schalter mit vergoldeten Kontakten.

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		CHK N.Mielke	09SEP2024					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: DIN ISO 2768-CL		NAME MICRO SWITCH Mikroschalter				
		0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±						
MATERIAL		FINISH		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
				A 3		00779	©=MZW 1-122-050	-
CUSTOMER DRAWING				SCALE		SHEET		REV
				1:1		2 OF 2		A