

	Date	Name		Scale 1:1		Drawing No:	30-113-11	
Create	03.06.2013	Seege				General Tolerances DIN ISO 2768 cL		NSN.:
Edited	25.10.2019	Mielk						
Check	25.10.2019	Kaise						

Technical Data

Bi-stable relays of the series 30 are equipped with 2 coils and magnetical latching. The relay will pick up (make) by an impulse to the pull-in coil. Without current the make position will be held by a permanent magnet. The relay will open (break) through an impulse to the drop-out coil. Break position is also supported by the permanent magnet.

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE-40°C TO +85°C (-40°F TO +185°F)
MAX. ALTITUDE RATING 50 000 FT
SEAL IEC 529, 2. EDITION 1989-IP67 (6 FT/ 1 MIN.) AND IP6K9K
SHOCK G-LEVEL 6G/ 11 MSEC
VIBRATION 4G/ 50-2000 Hz

ELECTRICAL CHARACTERISTICS

MIN. INSULATION RESISTANCE INITIAL 100 MEGOHMS
AFTER LIVE OR ENVIRONMENTAL 50 MEGOHMS
DIELECTRIC WITHSTANDING VOLTAGE 1 050 VAC/ 1 MIN
MAX. CONTACT DROP, INITIAL 0,15 VDC
AFTER LIFE TEST 0,175 VDC
OVERLOAD 1000 AMP FOR 1 SEC., 2500 AMP FOR 20 SEC.

DUTY RATING 120 AMP CONTINUOUS

RATED CONTACT LOAD

MOTOR LOAD 50 000 CYCLES
MECHANICAL LIFE 100 000 CYCLES

OPERATING CHARACTERISTICS

VOLTAGE RANGE 9-16 VDC
NOMINAL VOLTAGE 12 VDC
PICK UP VOLTAGE MIN 9 VDC
DROP OUT VOLTAGE MIN 7 VDC
RESISTANCE PULL IN COIL 2,5 OHM ±20%
PULL IN CURRENT APPROX. 4,8 AMP
RESISTANCE DROP OUT COIL 2,8 OHM ±20%
DROP OUT CURRENT APPROX. 4,3 AMP APPROX
PICK UP IMPULSE TIME 50 MSEC APPROX. (CONTINUOUS IMPULSE MAX. 1 MIN)
DROP OUT IMPULSE TIME 50 MSEC APPROX. (CONTINUOUS IMPULSE MAX. 1 MIN)

TIME-MILLISECONDS-MAX

PICK UP TIME MAX. 15
BOUNCE MAX. 5
DROP OUT MAX. 10

WEIGHT 0,32 KG = 0.706 POUND MAX.
WIRE SECTION (AT NOMINAL LOAD) MIN. 25mm²/ 0.039 sq. in./ AWG 3
MOUNTING POSITION OPTIONAL

SUBJECT TO CHANGE

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