

	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
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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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