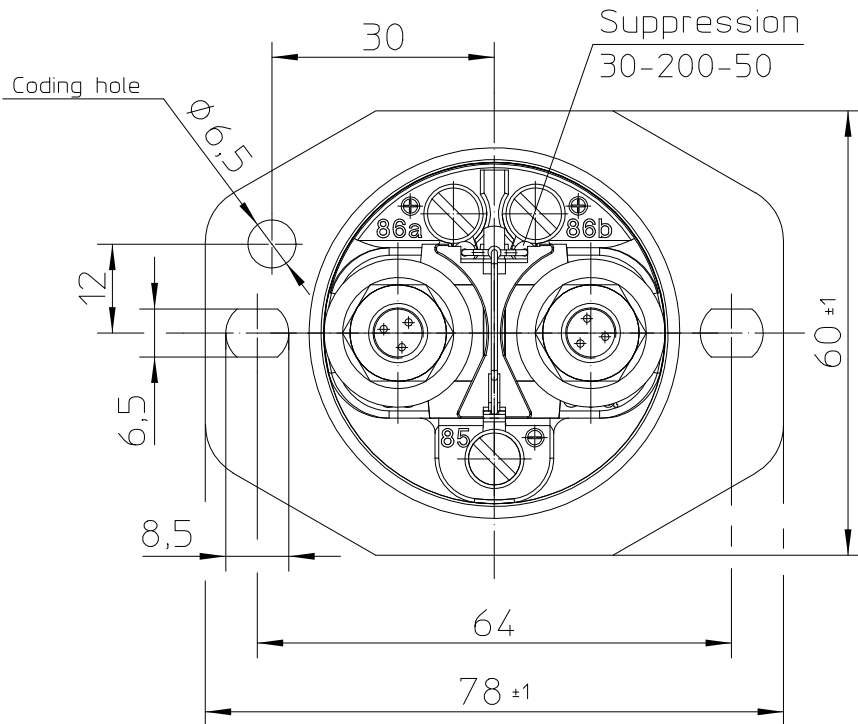
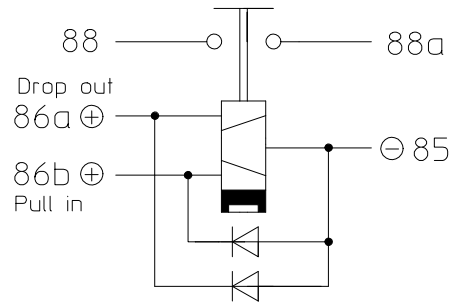


Circuit



For this drawing we reserve the copyright in accordance with DIN ISO 16016

	Date	Name
Create	15.12.2015	Grind
Edited	15.11.2019	Mielk
Check	15.11.2019	Kaise

mm	Scale
	1:1
General Tolerances DIN ISO 2768 cL	



Drawing No:

30-213-11

NSN:

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 IP67 (6 FT/ 0,2BAR 1 MIN.) I.A.W. IEC 529
 IP6K9K (STEAM PRESSURE) DIN 40050 PART 9 AND I.A.W. IEC 529
 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 SEA LEVEL 1 MINUTE: 1050 VAC
 ALTITUDE 1 MINUTE: 500 VAC
 MAX. CONTACT DROP INITIAL 0,15 VDC
 AFTER LIFE TEST 0,175 VDC
 OVERLOAD 1600 AMP FOR 1 SEC, 400 AMP FOR 20 SEC
 DUTY RATING 200 AMP CONTINUOUS

RATED CONTACT LOAD

MAIN CONTACT

RESISTIVE LOAD 50 000 CYCLES
 ENDURANCE 100 000 CYCLES

OPERATING CHARACTERISTICS

COIL DATA

VOLTAGE RANGE 9-16 VDC
 NOMINAL VOLTAGE 12 VDC
 PICK UP VOLTAGE MIN. 9 VDC FULL TEMP. RANGE
 DROP OUT VOLTAGE MIN. 7 VDC
 RESISTANCE PULL IN COIL 2,1 OHMS ±20%
 PULL IN CURRENT APPROX 5,7 AMP
 RESISTANCE DROP OUT COIL 2,6 OHMS ±20%
 DROP OUT CURRENT APPROX. 4,6 AMP
 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.

OPERATE 15
 BOUNCE 10
 RELEASE 5



WEIGHT 0,550 KG = 1.213 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD) MIN. 70mm²/0.109 sq.in./AWG 00

MOUNTING POSITION OPTIONAL

SUBJECT TO CHANGE

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Create	15.12.2015	Grind				General Tolerances DIN ISO 2768 cL
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