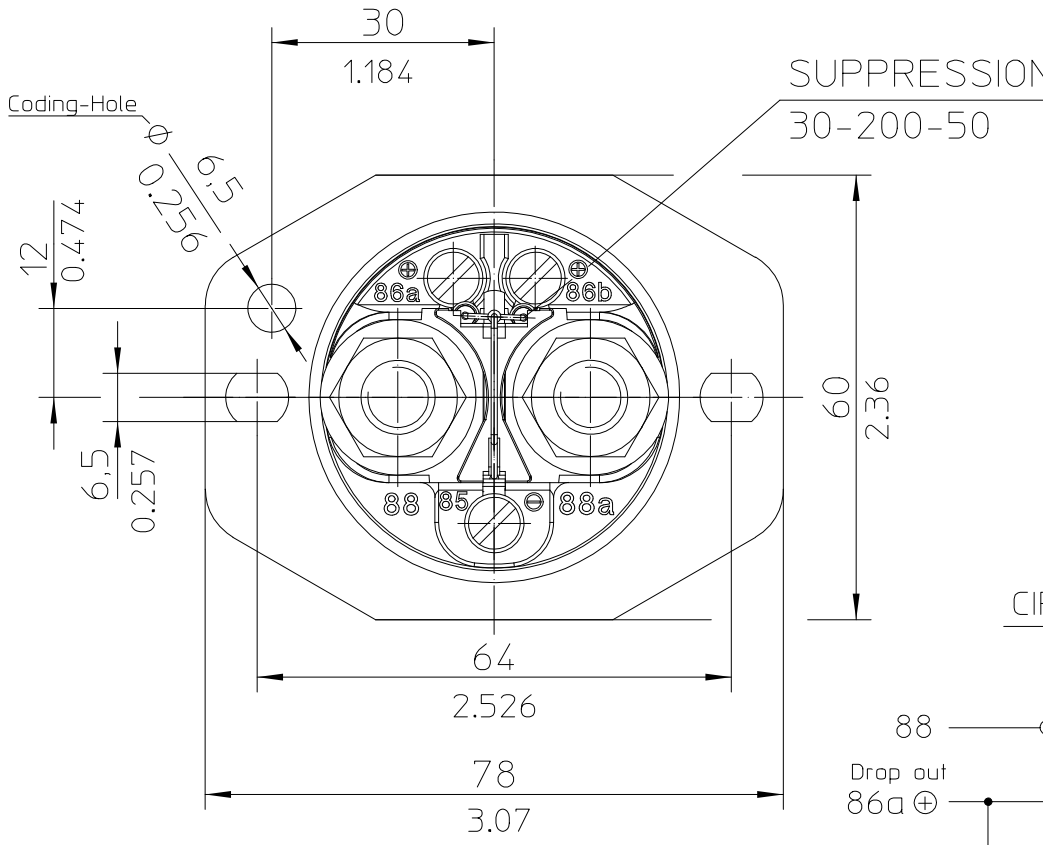
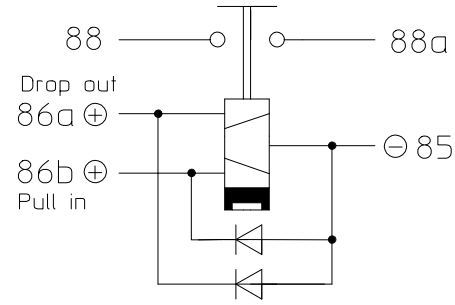
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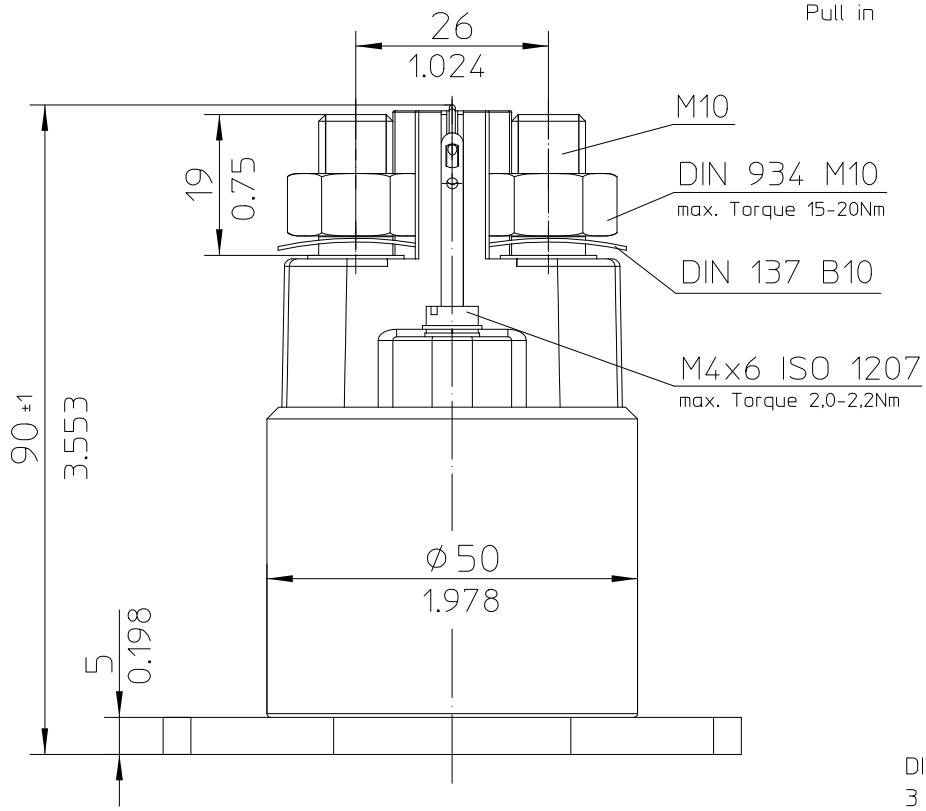
300 AMP. POWER RELAY (24 VDC)

BOTTOM MOUNTING SUPPRESSION



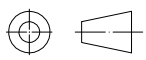
CIRCUIT





DIMENSIONAL TOLERANCES
3 PLACE DECIMAL ±0.010
2 PLACE DECIMAL ±0.03
ANGULAR ±0°30'

Third Angle Projection



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	Date	Name
Create	28.01.2014	Mielk
Edited	19.11.2019	Mielk
Check	19.11.2019	Kaise

mm / Inch

Scale 1:1

General Tolerances
DIN ISO 2768 cL

Drawing No: 30-313-12

NSN.:

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300 AMP. POWER RELAY (24 VDC)

BOTTOM MOUNTING

TECHNICAL DATA

Bi-stable relays of the series 30 are equiped 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/1MIN.) 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
SEA-LEVEL 1 MINUTE .....1 050 VAC
DIELECTRIC WITHSTANDING VOLTAGE.
ALTITUDE 1 MINUTE..... 500 VAC
MAX.CONTACT DROP,INITIAL.....0,15 VDC
AFTER LIFE TEST.....0,175 VDC
OVERLOAD.....2400 AMP FOR 1 SEC, 600 AMP FOR 20 SEC
CONTINUOUS CURRENT.....300 AMP

RATED CONTACT LOAD

RESISTIVE LOAD..... 50 000 CYCLES
MECHANICAL LIFE.....100 000 CYCLES

COIL DATA

VOLTAGE RANGE.....18-32 VDC
NOMINAL VOLTAGE.....24 VDC
PICK UP VOLTAGE MIN.....13 VDC
DROP OUT VOLTAGE MIN..... 10 VDC
RESISTANCE PULL IN COIL.....7,8 OHMS ±20%
PULL IN CURRENT APPROX. .....3,0 AMP
RESISTANCE DROP OUT COIL.....8,4 OHMS ±20%
DROP OUT CURRENT APPROX.....2,8 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)

OPERATING TIMES

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

WEIGHT.....0,550 kg= 1.213 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD)..... MIN. 95mm² /0,147 sq. in./ AWG 0000

MOUNTING POSITION.....OPTIONAL

SUBJECT TO CHANGE

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mm

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