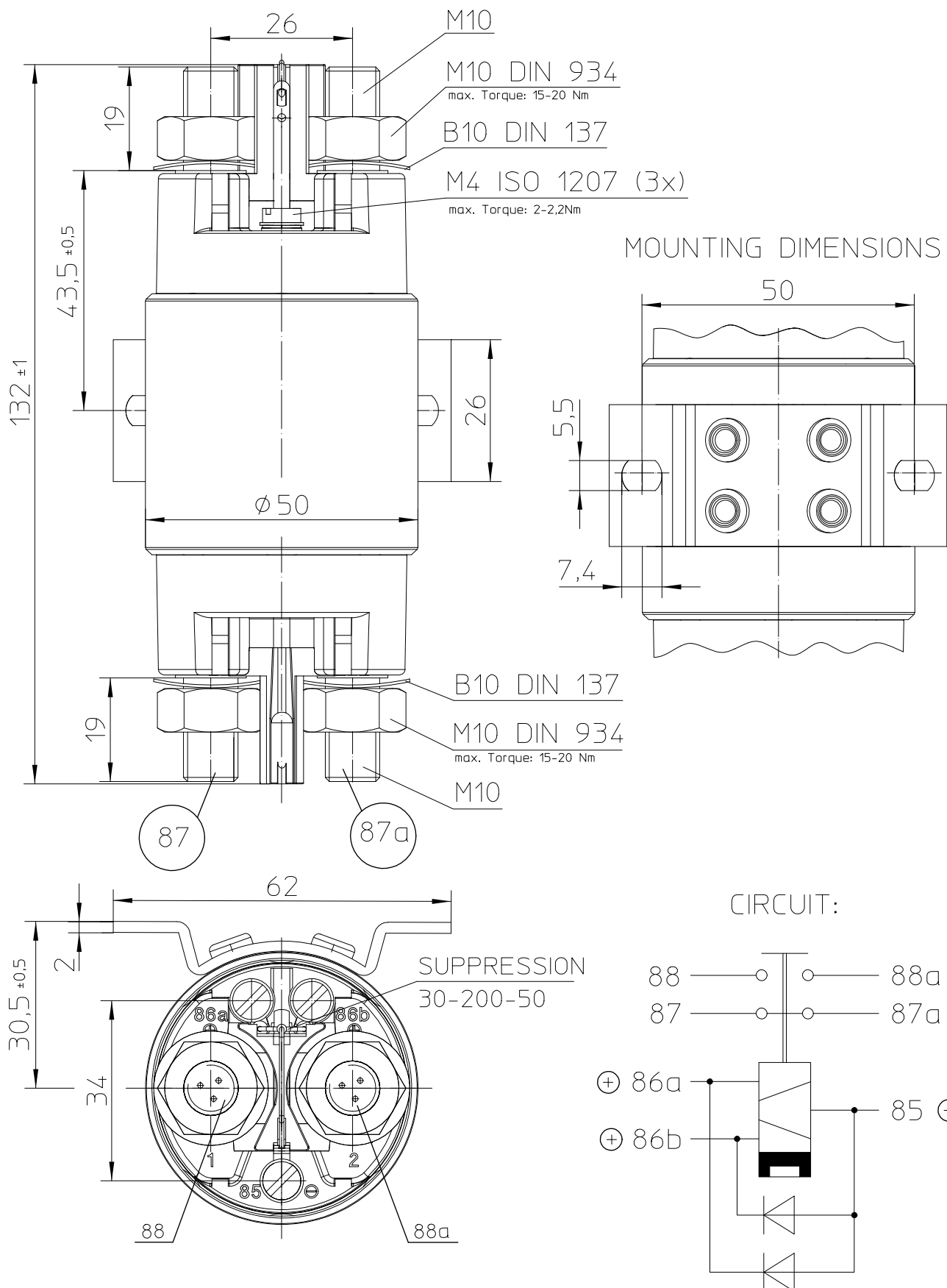


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	Date	Name
Create	16.12.2010	Kaise
Edited	19.11.2019	Mielk
Check	19.11.2019	Kaise

Scale
1:1General Tolerances
DIN ISO 2768 cL

Drawing No:

30-321-12

NSN.:

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. Both positions 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
VIBRATION4G/50-2000 Hz

ELECTRICAL CHARACTERISTICS

MIN.INSULATION RESISTANCE,INITIAL.....100 MEGOHMS
AFTER LIVE OR ENVIRONMENTAL.....50 MEGOHMS
SEA-LEVEL 1 MINUTE1 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. /600A AMP for 1 sec.
DUTY RATING.....300 AMP CONTINUOUS

RATED CONTACT LOAD

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

OPERATING CHARACTERISTICS

COIL DATA

VOLTAGE RANGE.....18-32 VDC
NOMINAL VOLTAGE.....24 VDC
PICK UP VOLTAGE MIN.....13 VDC FULL TEMP. RANGE
DROP OUT VOLTAGE MIN.....10 VDC
RESISTANCE PULL IN COIL.....4,1 OHMS ±20%
PULL IN CURRENT APPROX.5,8 AMP
RESISTANCE DROP OUT COIL.....6,4 OHMS ±20%
DROP OUT CURRENT APPROX.....3,7 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. CONTACT (NO)

OPERATE.....25
BOUNCE.....5
RELEASE.....20

TIME-MILLISECONDS-MAX. BREAK CONTACT (NC)

OPERATE.....30
BOUNCE.....8
RELEASE.....35

WEIGHT.....0,55 kg= 1.21 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD).....MIN. 95mm2 /0.147 sq. in./ AWG 0000

SUBJECT TO CHANGE

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