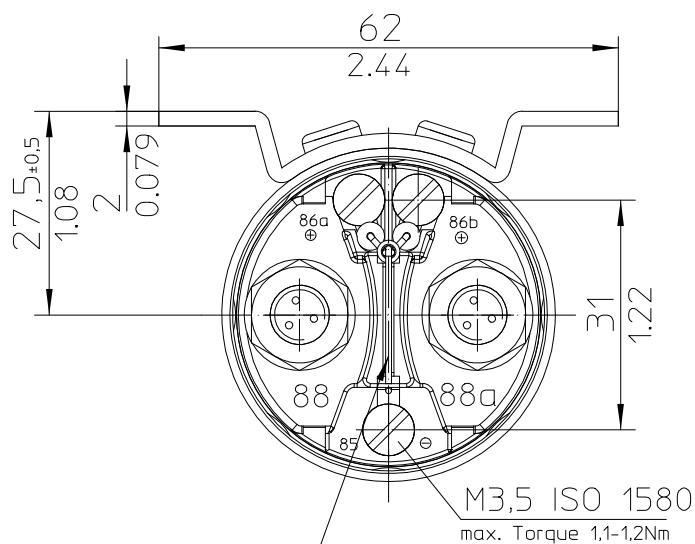
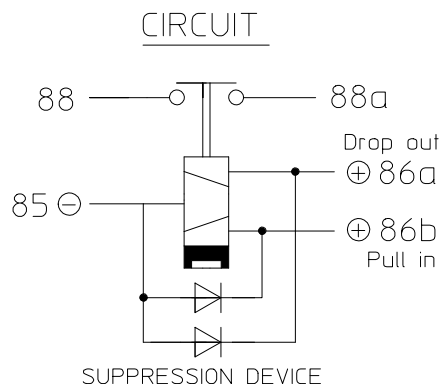
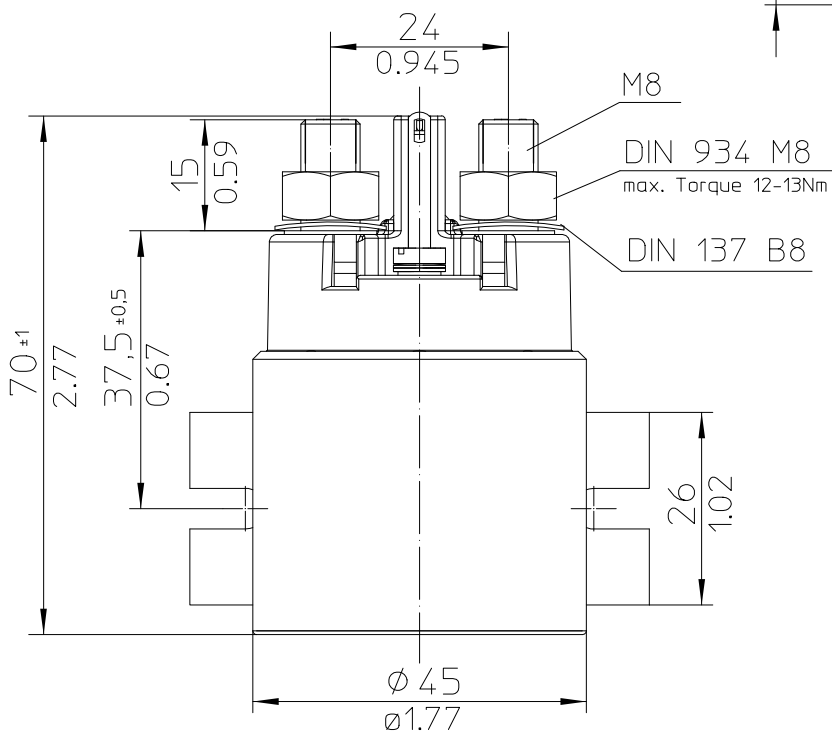
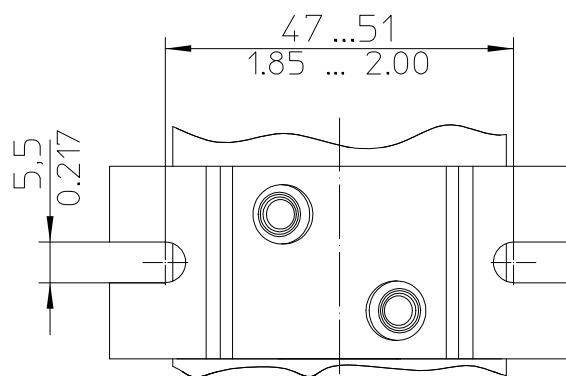




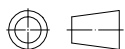
Suppression Diode
30-100-50



MOUNTING DIMENSION



Third Angle Projection



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

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

	Date	Name
Create	03.06.2013	Seege
Edited	25.10.2019	Mielk
Check	25.10.2019	Kaise



Scale
1:1

General Tolerances
DIN ISO 2768 cL



Drawing No:

30-111-12

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 VOLTS
ALTITUDE 1 MINUTE: 500 VOLTS
MAX. CONTACT DROP INITIAL 0,15 VDC
AFTER LIFE TEST 0,175 VDC
OVERLOAD 1000 AMP FOR 1 SEC, 250 AMP FOR 20 SEC
DUTY RATING 120 AMP CONTINUOUS

RATED CONTACT LOAD

MAIN CONTACT
RESISTIVE LOAD 50 000 CYCLES
ENDURANCE 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 9 OHMS ±20%
PULL IN CURRENT APPROX 2,7 AMP
RESISTANCE DROP OUT COIL 10 OHMS ±20%
DROP OUT CURRENT APPROX..... 2,4 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 5
DROP OUT 10

WEIGHT 0,320 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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	Date	Name		Scale		Drawing No:	
Create	03.06.2013	Seege		1:1		30-111-12	
Edited	25.10.2019	Mielk	General Tolerances DIN ISO 2768 cL				
Check	25.10.2019	Kaise					