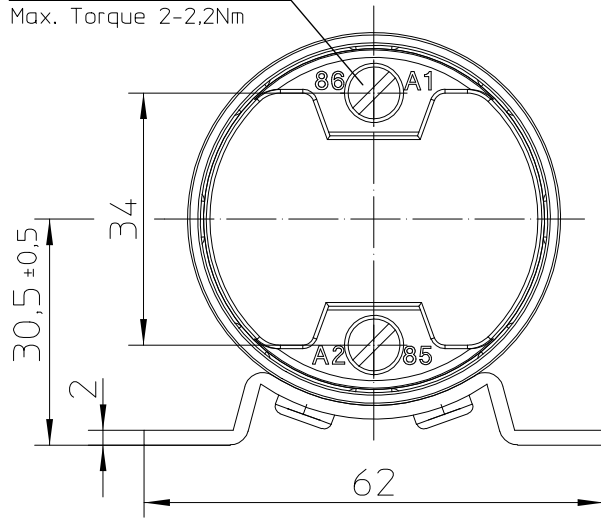
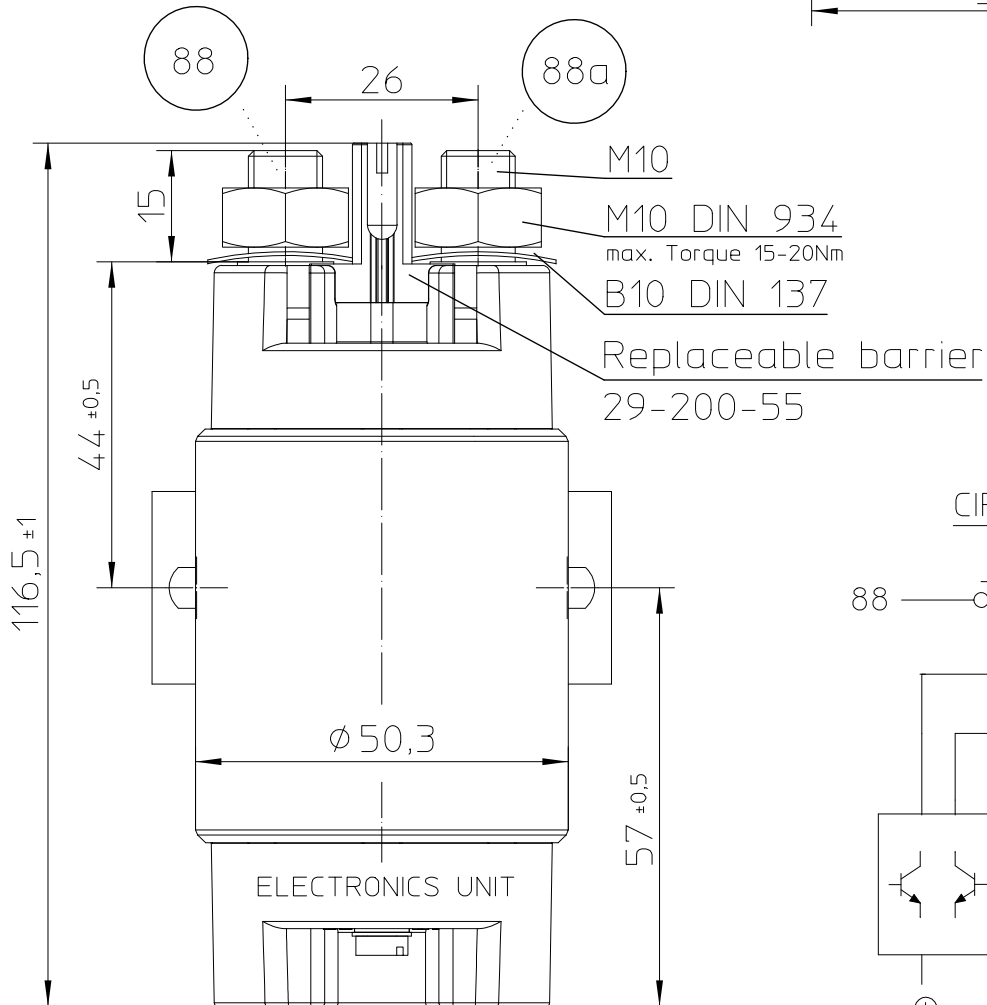
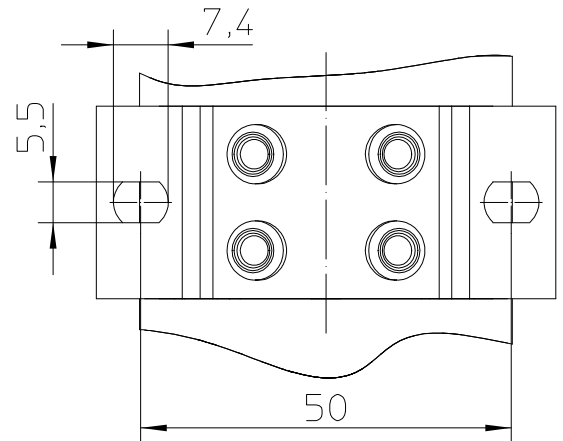


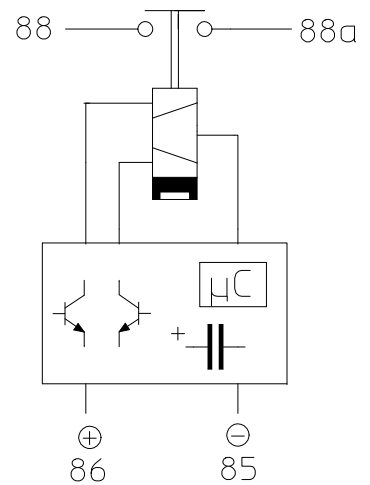
M4x6 ISO 1207 (2x)  
Max. Torque 2-2,2Nm



Mounting dimension



CIRCUIT:



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	Date	Name
Create	08.12.2010	Kaise
Edited	27.11.2019	Mielk
Check	28.11.2019	Kaise

mm	Scale
↔	1:1
General Tolerances DIN ISO 2768 cL	



Drawing No:

31-311-12-E

NSN:

## Technical Data

The basic Principle of this relay is a proved two coil device with a pull in and drop out coil with permanent powerless magnetic holding. An impulse into the controlled coil switches the relay in to the on position. The electronic function holds this position without power. When the power supply is removed, the electronic capacitor stores enough energy in order to deactivate the relay. The relay has only TWO control connections which makes it possible to replace a standard monostable relay with a bi-stable relay giving the advantage of powerless holding. The electronic capacitor is charged during the switch-on process. When the power supply is removed, the capacitor discharges the power into the drop out coil and therefore switches off the relay. The characteristics of a standard bi-stable relay requires re-supply of energy to drop out the coil. The electronics are short-circuit protected with coil control, energy storage monitoring, reverse polarity and coil removal.

### 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  
 DIELECTRIC WITHSTANDING VOLTAGE.....1050 VAC / 1min  
 MAX.CONTACT DROP,INITIAL.....0,15 VDC  
 AFTER LIFE TEST.....0,175 VDC  
 OVERLOAD.....2400 AMP for 1 sec.; 600 AMP for 20 sec.  
 DUTY RATING.....300 AMP CONTINUOUS  
 QUIESCENT CURRENT..... <3mA

### RATED CONTACT LOAD

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

### ELECTRONICS AND OPERATING CHARACTERISTICS

VOLTAGE RANGE.....18-32 VDC  
 NOMINAL VOLTAGE.....24 VDC  
 PICK UP VOLTAGE MIN.....18 VDC FULL TEMP. RANGE  
 PICK UP COIL RESISTANCE ..... 7,8 Ohm ±20%  
 DROP OUT COIL RESISTANCE ..... 8,4 Ohm ±20%

### CIRCUIT TIME


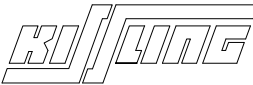
MIN. PICK UP TIME .....500 MSEC  
 BOUNCE TIME .....MAX. 5 MSEC  
 MIN. DROP OUT TIME .....100 MSEC

WEIGHT.....0,61 kg= 1.32 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD).....MIN. 95mm<sup>2</sup> /0.147 sq. in./ AWG 0000

SUBJECT TO CHANGE

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	Date	Name		Scale 1:1		Drawing No:
Create	08.12.2010	Kaise				
Edited	27.11.2019	Mielk	General Tolerances DIN ISO 2768 cL			
Check	28.11.2019	Kaise				NSN: