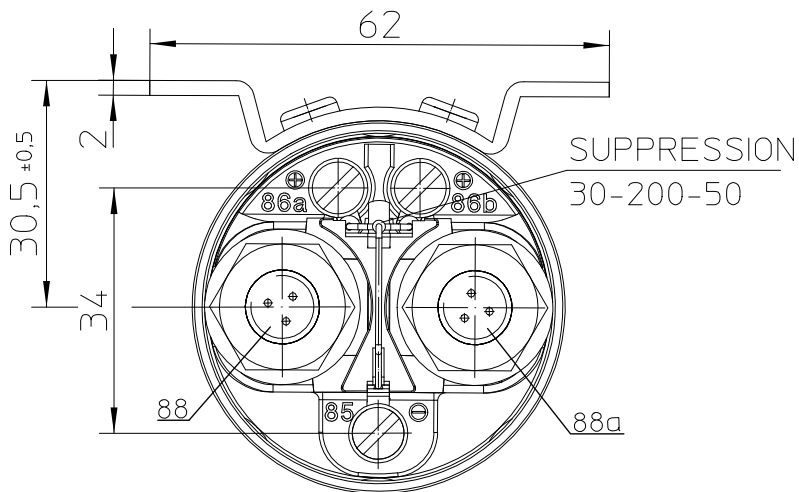
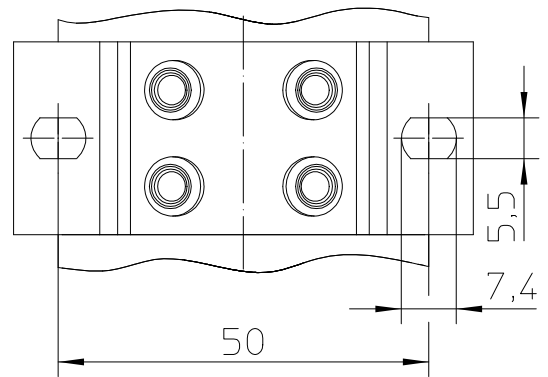
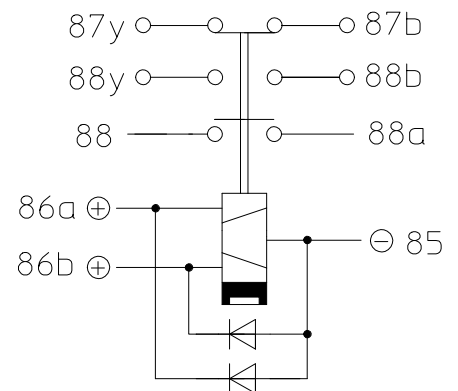


MOUNTING DIMENSION



Circuit:



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

	Date	Name
Create	17.08.2018	Dicks
Edited	19.11.2019	Mielk
Check	19.11.2019	Kaise

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



Drawing No:

30-311-11A

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
SEAL: INNER	IP67 (0,2bar;1 min)and IP6K9K acc.IEC,529.2 ver. 1989*
SEAL: OUTER	IP00 acc. IEC 529.2 ver.1989*
VIBRATION	4G/ 50-2000 Hz
SHOCK	6G/ 11 MSEC
RESISTANCE AGAINST	Oils,Fuels,Coolant&Brake Fluid,Hydraulic Fluids, Alcohol and Fire-Extingushing Agents
WEIGHT	550 gr

ELECTRICAL CHARACTERISTICS

MIN. INSULATION RESISTANCE INITIAL	100 MEGOHMS
AFTER LIVE OR ENVIRONMENTAL	50 MEGOHMS
DIELECTRIC WITHSTANDING VOLTAGE	1050 VAC
MAX.CONTACT DROP,INITIAL	150 mV
CONTACT DROP AFTER LIFE TEST	175 mV
CONTINUOUS CURRENT	300 A
OVERLOAD	2400 AMP FOR 1 SEC, 600 AMP FOR 20 SEC

AUXILLARY CONTACTS

CONTINUOUS CURRENT	2A
SWITCHING CURRENT	2A

RATED CONTACT LOAD (12 VDC)

RESISTIVE LOAD	50 000 CYCLES
MECHANICAL LIFE	100 000 CYCLES

COIL DATA

VOLTAGE RANGE	9-16 VDC
NOMINAL VOLTAGE	12 VDC
PICK UP VOLTAGE MIN.	9 VDC
DROP OUT VOLTAGE MIN.	7 VDC
RESISTANCE PULL IN COIL	2,1 OHM ±20%
PULL IN CURRENT APPROX.	APPROX. 5.7 AMP
RESISTANCE DROP OUT COIL	2,6 OHM ±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

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

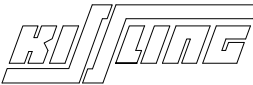
OTHER DATA

WIRE SECTION (AT NOMINAL LOAD)	MIN. 95mm ²
MOUNTING POSITION	OPTIONAL

* Corresponds to DIN 40050 Part 9 Edition 1993

SUBJECT TO CHANGE

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

	Date	Name	mm ↔	Scale 1:1		Drawing No:
Create	17.08.2018	Dicks				
Edited	19.11.2019	Mielk	General Tolerances DIN ISO 2768 cL			NSN.:
Check	19.11.2019	Kaise				