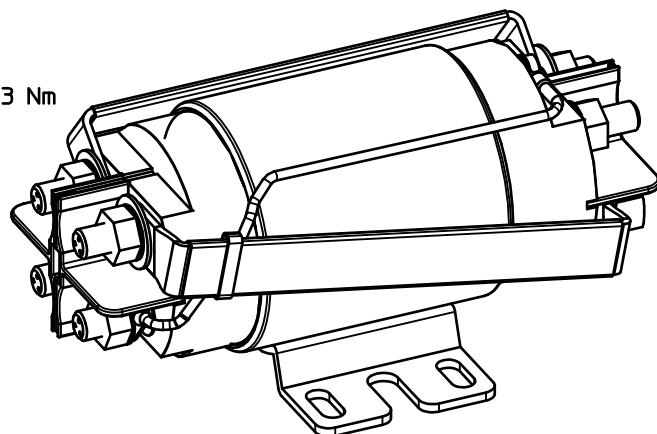
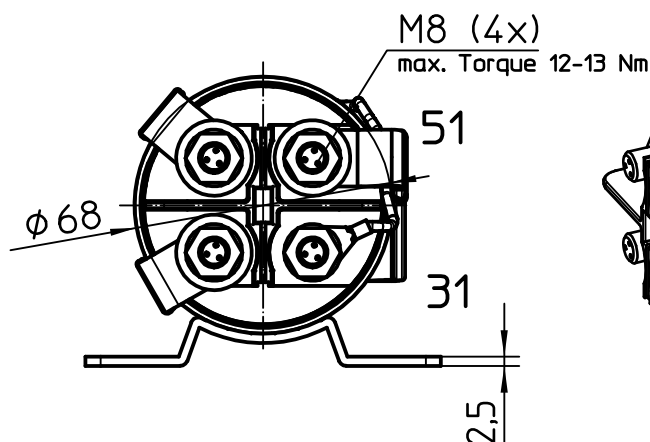
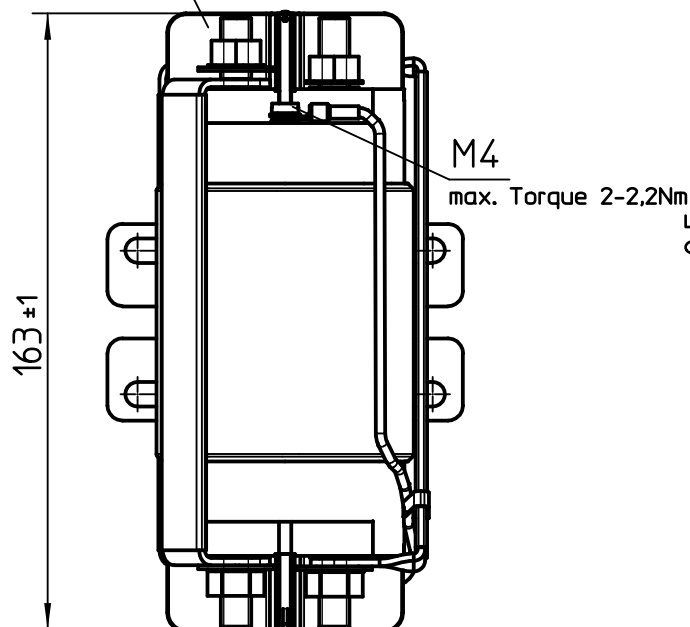


200 AMP POWER RELAY (12VDC)

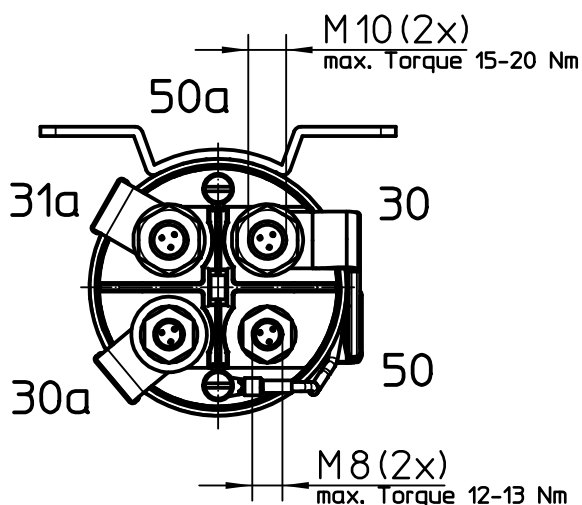
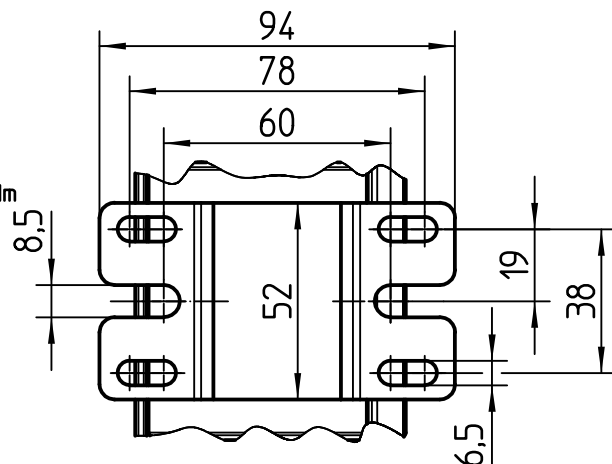
DUAL POLE CHANGEOVER-UNIT



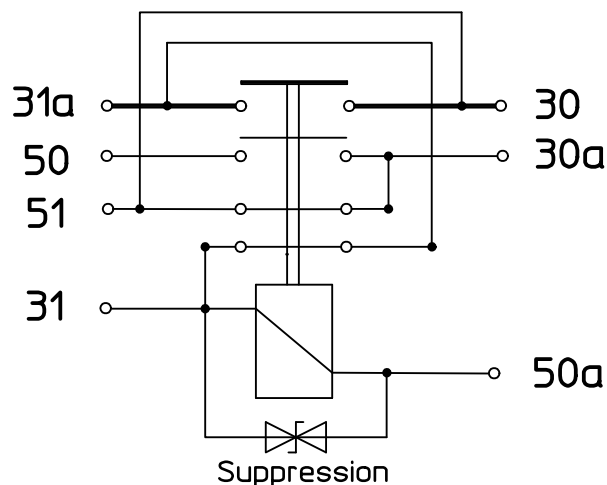
REPLACEABLE CROSS



MOUNTING DIMENSIONS:



CIRCUIT OF UNIT:



colour of the label=yellow

71465162 SWITCH, 12V 24V RELAY

	Date	Name	mm	Scale		Drawing No:
Drawn	28.10.2011	Hamar		1:2		29-251-11-901
Check	26.06.2013	Kaise				NSN:
			General Tolerances			
			DIN ISO 2768 cL			



DISCRIPTION / APPLICATION:

Electricmagnetically switch for series- and parallel connection of two 12VDC-batteries in 12VDC-equipments by actuating with 24 VDC-starters.

Installation as near as possible of battery.

The terminals must be saved against environmental conditions.

MODE OF OPERATION:

By actuating the starter-switch or the heat-Switch on cockpit, first the batteries gets connected in series. Then the starter will get used for cranking.

After release starter-switch, the starter gets out of gear first and batteries connected in parallel again.

TECHNICAL DATA:**ENVIRONMENTAL CHARACTERISTICS**

TEMPERATURE RANGE..... -40°C TO +85°C (-40°C F TO +185°F)

SEAL..... IP67(6FEET/0,2BAR-1MIN.) I.A.W.IEC 529

IP6K9K (STEAM PRESSURE) DIN 40050 PART 9 AND I.A.W.IEC 529

SHOCK G-LEVEL..... 6 G/ 11 MSEC

VIBRATION..... 4 G/ 50-2000 Hz

ELECTRICAL CHARACTERISTICS

MIN.INSULATION RESISTANCE; INITIAL..... 100 MEGOHMS

AFTER LIFE OR ENVIRONMENTAL..... 50 MEGOHMS

DIELECTRIC WITHSTANDING VOLTAGE SEA-LEVEL 1 MINUTE..... 1 050 VOLTS

ALTITUDE 1 MINUTE..... 500 VOLTS

MAX. CONTACT DROP INITIAL..... 0.15 VOLTS

AFTER LIFE TEST..... 0.175 VOLTS

DUTY RATING (30 - 31a)..... 200 AMP CONTINUOUS

OVERLOAD (30 - 31a)..... 1600 AMP FOR 1 SEC, 400 AMP FOR 20 SEC

DUTY RATING (30a /31 / 31a / 51)..... 60 AMP CONTINUOUS

RATED CONTACT LOAD

RESISTIVE LOAD..... 200 000 CYCLES

ENDURANCE..... 1 000 000 CYCLES

OPERATING CHARACTERISTICS

COIL DATA.....12 VDC COIL

VOLTAGE RANGE..... 9-16 VDC

NOMINAL VOLTAGE..... 12 VDC

PICK UP VOLTAGE MAX. (FULL TEMP. RANGE)..... 9 VDC

DROP OUT VOLTAGE MAX. (FULL TEMP. RANGE)..... ≤ 2 VDC

COIL RESISTANCE (±10%)..... 4.4 OHMS

COIL CURRENT APPROX..... 2.7 AMP

COIL POWER APPROX..... 32 WATT

CYCLIC DURATION FACTOR MAX. 5 MIN.

TIME-MILLISECONDS-MAX.

OPERATE..... 60

BOUNCE..... 5

RELEASE..... 30

WEIGHT..... 1,91 KG = 4,21 POUND MAX.

WIRE SECTION(AT NOMINAL LOAD)..... MIN. 70mm / 0,109 sq.inch²

MOUNTING POSITION..... OPTIONAL

	Date	Name	mm →	Scale 1:2		Drawing No:
Drawn	28.10.2011	Hamar	General Tolerances			29-251-11-901
Check	26.06.2013	Kaise				NSN: