

A

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A

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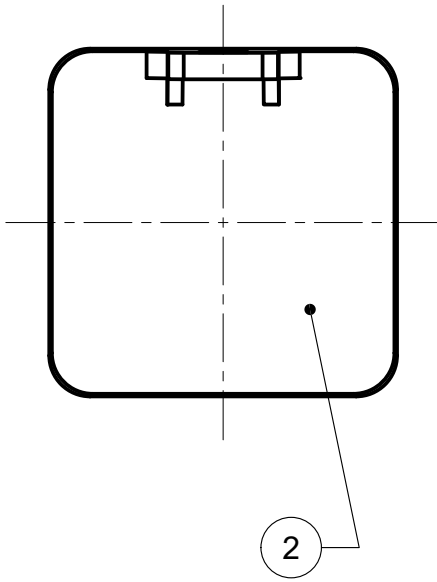
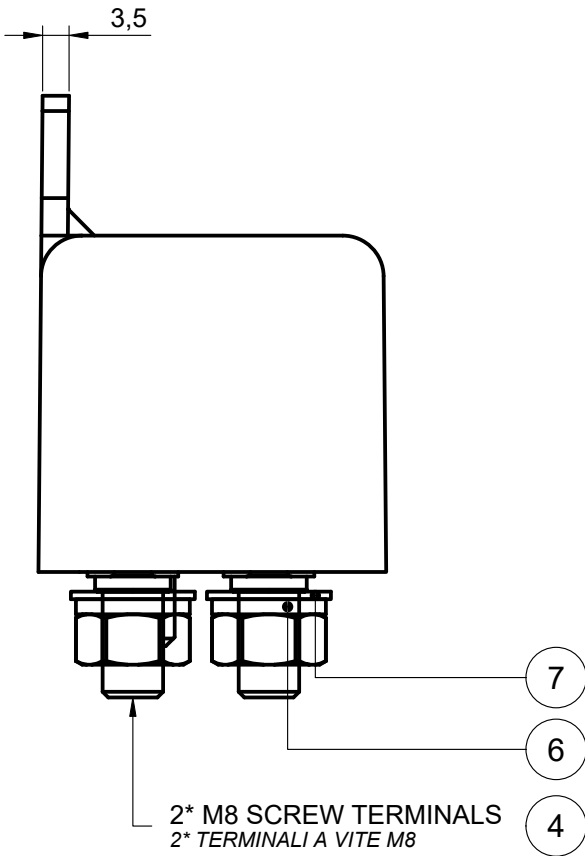
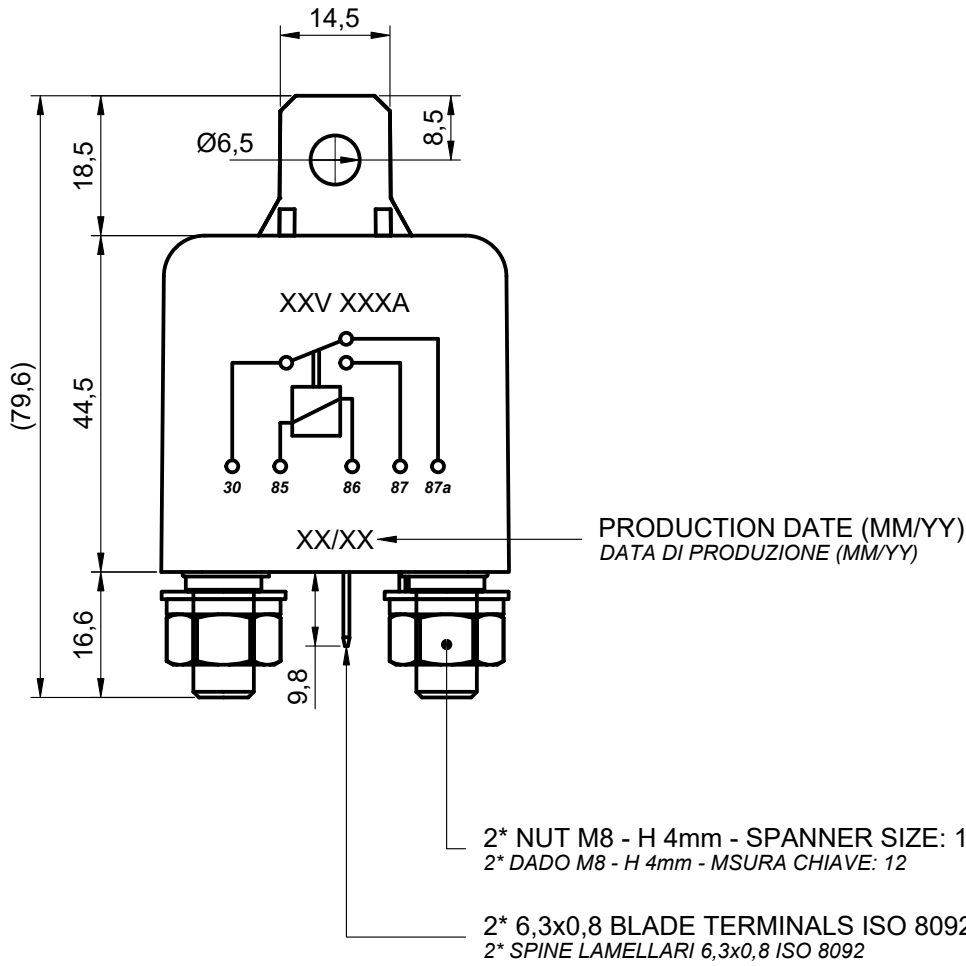
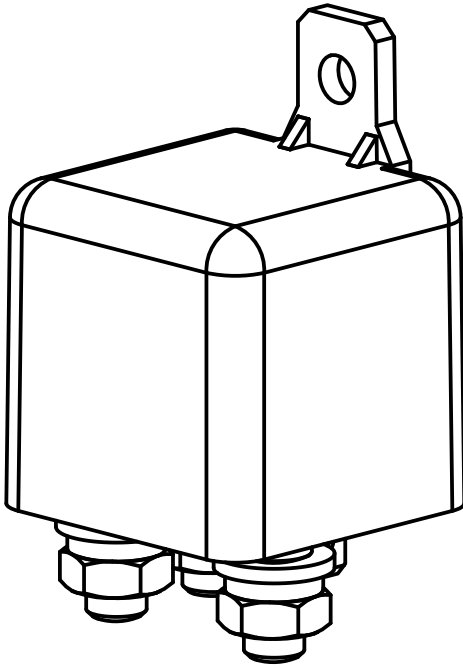
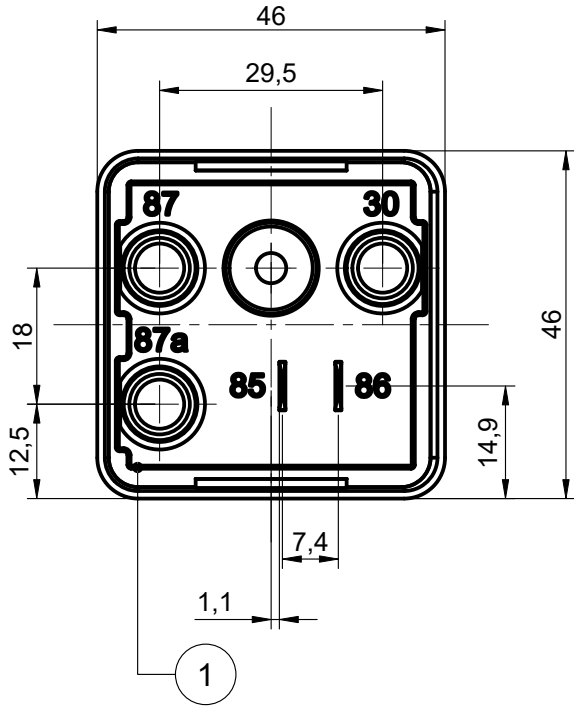
D

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MATERIALS

MATERIALI		
1	BASEPLATE BASE	PA 66 20%GF BLACK
2	HOUSING COPERCHIO	PA 66 25%GF BLACK
3	BLADE TERMINALS SPINE LAMELLARI	CuSn UNI 5649
4	M8 SCREW TERMINALS TERMINALI A VITE M8	Cu
5	M8 NUTS DADO M8	CuSn
6	SPLIT WASHER Rondella spaccata	FeZn
7	PLAIN WASHER Rondella piana	CuSn

TECHNICAL CHARACTERISTICS

CARATTERISTICHE TECNICHE

COIL DATA

SPECIFICHE BOBINA

CODE AND DESCRIPTION CODICE E DESCRIZIONE	R12V200CO.A1 HEAVY DUTY RELAY C.O. 12V 220/180A	R24V100CO.A1 HEAVY DUTY RELAY C.O. 24V 160/120A
RATED VOLTAGE TENSIONE NOMINALE	12V DC	24V DC
OPERATING VOLTAGE TENSIONE DI FUNZIONAMENTO	(8,5 ÷ 15)V	(17 ÷ 30)V
OPERATE VOLTAGE TENSIONE DI ECCITAZIONE	≤ 8,5V @23°C	≤ 17V at 23°C
RELEASE VOLTAGE TENSIONE DI DISECCITAZIONE	≥ 1,2V	≥ 2,4 V
COIL RESISTANCE RESISTENZA BOBINA	60Ω ± 10%	240Ω ± 10%
RATED COIL POWER POTENZA NOMINALE BOBINA	2,4W	2,4W

CONTACT DATA

SPECIFICHE CONTATTI

CONTACT ARRANGEMENT DISPOSIZIONE DEI CONTATTI	SPDT / CHANGE OVER		
CONTACT GAP DISTANZA DEI CONTATTI	2,0 ± 2,5mm		
CONTACT OPERATE TIME TEMPO DI CHIUSURA CONTATTO	≤ 10ms		
CONTACT BREAK TIME TEMPO DI APERTURA CONTATTO	≤ 5ms		
LIMITING CONTINUOUS CURRENT - CARICO LAMPADE LIMITE CORRENTE DI CARICO CONTINUA - LAMPS LOAD	PIN 87 (N.O.)	140A @13,5V @23°C for 6h 100A @13,5V @80°C for 6h	120A @27V @23°C for 6h 80A @27V @80°C for 6h
	PIN 87a (N.C.)	110A @13,5V @23°C for 6h 80A @13,5V @80°C for 6h	100A @27V @23°C for 6h 60A @27V @80°C for 6h
LIMITING MAKE/BREAK CURRENT 10" ON / 10" OFF - LAMP LOAD LIMITE CORRENTE DI CARICO INTERMITTENTE 10" ON / 10" OFF - CARICO LAMAPDE	PIN 87 (N.O.)	220A @13,5V @23°C for 50.000 op. 180A @13,5V @80°C for 50.000 op.	160A @27V @23°C for 50.000 op. 120A @27V @80°C for 50.000 op.
	PIN 87a (N.C.)	180A @13,5V @23°C for 50.000 op. 150A @13,5V @80°C for 50.000 op.	120A @27V @23°C for 50.000 op. 80A @27V @80°C for 50.000 op.
CONTACTS MATERIAL MATERIALE DEI CONTATTI	AgSnO ₂		
TEST TEMPERATURE TEMPERATURA DI PROVA	23°C		
TYPICAL VOLTAGE DROP CADUTA DI TENSIONE TIPICA	≤ 25mV at 40A (INITIAL)		
ELECTRICAL LIFETIME DURATA ELETTRICA	50.000 CYCLES		
MECHANICAL LIFETIME DURATA MECCANICA	1.000.000 OPERATIONS		
CONTACT PRESSURE PRESSIONE DI CONTATTO	2,2 ÷ 3,1N		

OTHER DATA

ALTRE SPECIFICHE

OPERATING TEMPERATURE TEMPERATURA DI FUNZIONAMENTO	-40°C ÷ 80°C
DIELECTRIC STRENGHT RIGIDITA' DIELETTICA	500Vrms CONTACT/ COIL 500Vrms CONTATTO/ BOBINA
DEGREE OF PROTECTION GRADO DI PROTEZIONE	IP 54
VIBRATION RESISTANCE RESISTENZA ALLE VIBRAZIONI	10Hz~50Hz 1,5mm DA (> 5 G)
STORAGE TEMPERATURE TEMPERATURA DI STOCCAGGIO	MAX. 125°C

01	AMENDED SCREW DIMENSION (M8) IN MATERIALS TABLE	F5	07/12/2022		
	AMENDED PART NUMBERS AND ADDED DESCRIPTION	A10-A12			
	REV	DESCRIPTION	COORDINATES	DATE	DRAWN
REVISIONS					

DRAWN	DATE 01/12/2022	CHECKED	DATE 01/12/2022	GENERAL TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS ACCORDING TO ISO 2768 - mH		
		DESCRIPTION HEAVY DUTY RELAY C.O.			WEIGHT	SCALE 1:1
		PART NUMBER		REV. 01	SHEET 1/1	SIZE A2
				BY TERMS OF LAW IS STRICTLY FORBIDDEN TO COPY OR COMMUNICATE TO THIRD THE CONTENT OF THIS DRAWING		