

Technical data

Nominal Voltage	U_N	24 V
Operating Voltage	U_{OP}	18 V...30 V
Voltage Drop	ΔU	≤ 50 mV @IN
Pull-In Voltage	U_I	≤ 18 V @TP
Pull-Off Voltage	U_O	$\geq DC$ 3 V
Coil Current	I_C	90 mA \pm 20 %
Operate Time With Load	T_P	100.000 times/TP
Mechanical Life		1.000.000 times
Resistive Load 15 A		IN 2"ON / 2"OFF
Nominal Current	I_N	10/15 A
Max Continuous Current	I_{CM}	23 °C 15 A N/C 20 A N/O 85 °C 9 A N/C 15 A N/O
Max Switching Current ON	I_{sca}	20 A N/C 100 A N/O
Max Switching Current OFF	I_{sca}	10 A N/C 30 A N/O
Operating Temperature	T_{OP}	-40 °C...+85 °C
Storage Temperature	T_{STO}	+110 °C @ 2 h
Test Temperature	T_P	+20 °C \pm 2 °C
Unit Weight	W	20 g

Materials

Baseplate	Nylon PA 6,6 + 30 % Glass fibre Black
Cap	Nylon PA 6,6 + 15 % Glass fibre Black
Bobbin Wire	24 V P155 IEC 60317
Resin	Epoxide
Terminals	Cu Zn Term. 1, 2 & 4: (4,8 x 0,8 mm) Term. 3, 5 (6,3 x 0,8 mm)
Fixed Contact	AgSnO ₂
Moving Contacts	AgSnO ₂

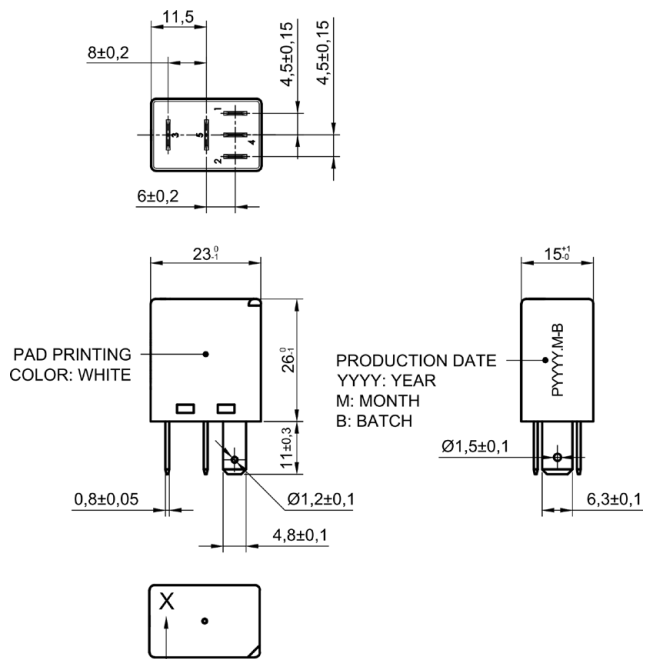
Approvals

In conformity with:	ISO 7588 – DIN 46244 – ISO 8092
	UNI EN ISO 9001-2000
	EU Dir. 2002/95/EC RoHS
	DIR. 95/54 CE
	REG. 10 ECE-ONU/02
	DIN 40050: IP5K4
	Terminals pointing downwards
	IMDS:75948



MR2x-405-0
Change Over

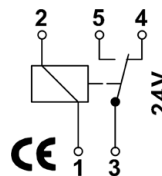
Dimensions



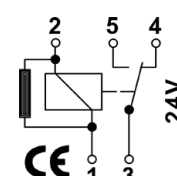
· NIL: WITHOUT TRANSIENT SUPPRESSION COMPONENTS
· D : PARALLEL TRANSIENT SUPPRESSION DIODE
· R : PARALLEL TRANSIENT SUPPRESSION RESISTOR

PAD Printing

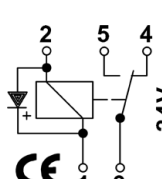
MR20-405-0



MR2R-405-0



MR2D-405-0



Note: Recommended polarity:
1+ & 3+



Resistor Carbon Film
1000 Ω \pm 5%



Diode IN4007
1000 V 1 A