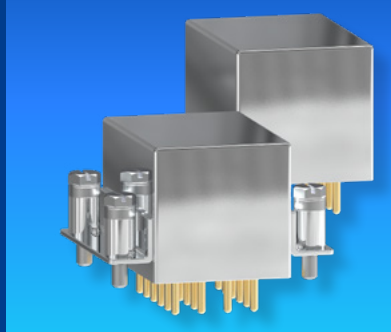
CROUZET

10A 6PDT Non-Latching

Hermetically Sealed Relays



Electrical Control & Protection > Hermetically Sealed Relays > Non-Latching Relays > 10 Amps **> 6 PDT**

Crouzet Hermetically Sealed Relays are ideal for switching electrical loads in harsh environments requiring extended lifetime. Available in multiple current options, voltage ratings and contact arrangements to meet the specific needs of each demanding applications in Aerospace, Railway, Nuclear and Defense.

Offer Description

- Type: Non-Latching single break
- Contact arrangement: 6 PDT
- Nominal Current: 10 A
- Contact Voltage Rating:
  Aerospace: 28 VDC & 115 VAC 400 Hz
  Railway: 5 VDC to 140 VDC
- Coil Supply: Direct current or alternative current
- Operating power at nominal voltage: 3 W to 3.7 W
- Weight: Aerospace: 120 g à 132 g max.
  Railway: 94 g
- Polarizing Pin : No

Qualifications

- Aerospace: EUROCAE ED-14G / DO160G; NF EN ISO 9227;
- NF EN ISO 2685
- Railway: EN 50155; NF CF 62 002; EN 45545-2

Standard Offer

Coil voltage	New Part Number	Connection		Mounting		Protection	Key	Qualification	Market	P/N
		Type	Material	Flange	Screw					
12 VDC	RN10600 X012D PT0X 00	Pin	Tin	-	-	-	-	-	Railway	03365304
24 VDC	RN10600 X024D PG3K 00	Pin	Gold	Horizontal	M3	-	UUUV	NF-62002	Railway	03365372
	RN10600 X024D PT0X 00	Pin	Tin	-	-	-	-	-	Railway	03365305
28 VDC	RN10600 P028D PG4X 00	Pin	Gold	Horizontal	4/40	√	-	-	Aerospace	03365200-10
	RN10600 P028D PG1X 00	Pin	Gold	Horizontal	-	√	-	-	Aerospace	03366096
36 VDC	RN10600 X036D PT0X 00	Pin	Tin	-	-	-	-	-	Railway	03365303
	RN10600 X036D PG3K 00	Pin	Gold	Horizontal	M3	-	YUUV	NF-62002	Railway	03365371
72 VDC	RN10600 X072D PT0X 00	Pin	Tin	-	-	-	-	-	Railway	03365300
	RN10600 X072D PG3K 00	Pin	Gold	Horizontal	M3	-	WUUV	NF-62002	Railway	03365370
110 VDC	RN10600 X110D PG3K 00	Pin	Gold	Horizontal	M3	-	XUUV	NF-62002	Railway	03365395

Accessories

Soldering sockets
P/N: S336 S XX A

For wires or PCB EN 45545

Sockets with FASTON lugs
P/N: S336 F XX A

With crimp contacts EN 45545

Sealed sockets
P/N: 336 E XX B

With crimp contacts

Non-Sealed sockets
P/N: 336 P XX A

With crimp contacts

Contact Rating (A)

Type of Load (High Level)	Minimum operating cycles	28 VDC	115 VAC 400 HZ	72 V
Resistive load	100,000	10 A	10 A	-
Inductive load (L/R = 5 ms)	20,000	8 A	8 A	-
Motor load (Inrush current ≤ 24 A for 20 ms)	100,000	4 A	4 A	-
Lamp load (Inrush current ≤ 24 A for 20 ms"	100,000	2 A	2 A	-
Overload (resistive load)	50	40 A	40 A	-
Resistive load (L/R = 0)	1,000,000 without failure + 1,000,000 with a failure rate < 10-5	-	-	1 A
Inductive load (L/R = 30 ms)	1,000,000 without failure + 1,000,000 with a failure rate < 10-5	-	-	0.5 A
Overload (resistive load)	100	-	-	1.3 A

Coil Characteristics

Nominal operating voltage	12 VDC	24 VDC	28 VDC	36 VDC	72 VDC	110 VDC
Maximum operating voltage at +70 °C	15 V	33 V	29 V	45 V	90 V	137.5 V
Minimum operating voltage at +70 °C, coil energized at 1.15 Un during 1h	8.4 V	18.5 V	-	25.2 V	50.4 V	77 V
Pick up voltage at +23 °C	6.5 V	14 V	-	20.4 V	38.5 V	68 V
Pull in maximum voltage at +20°C	-	-	13.5 V	-	-	-
Pull in maximum voltage at +125 °C	-	-	19.8 V	-	-	-
Hold voltage at +20 °C	-	-	7 V	-	-	-
Hold voltage at +23 °C	3.1 V	6 V	-	10 V	18 V	28 V
Drop-out voltage at + 23 °C	1.4 V	1.8 V	-	2 V	5 V	8 V
Drop-out voltage at - 25 °C	1 V	1.5 V	-	1.6 V	4 V	6 V
Drop-out voltage of - 65° to + 125 °C	-	-	1.5 V	-	-	-
Coil resistance in Ohms ±10% at +20° C	40 Ω	180 Ω	210 Ω	350 Ω	1,400 Ω	3,200 Ω
Maximum back EMF (Volts) with transient suppression	-	-	±42	-	-	-

*32 V for maximum ambient temperature ≤ 85°C

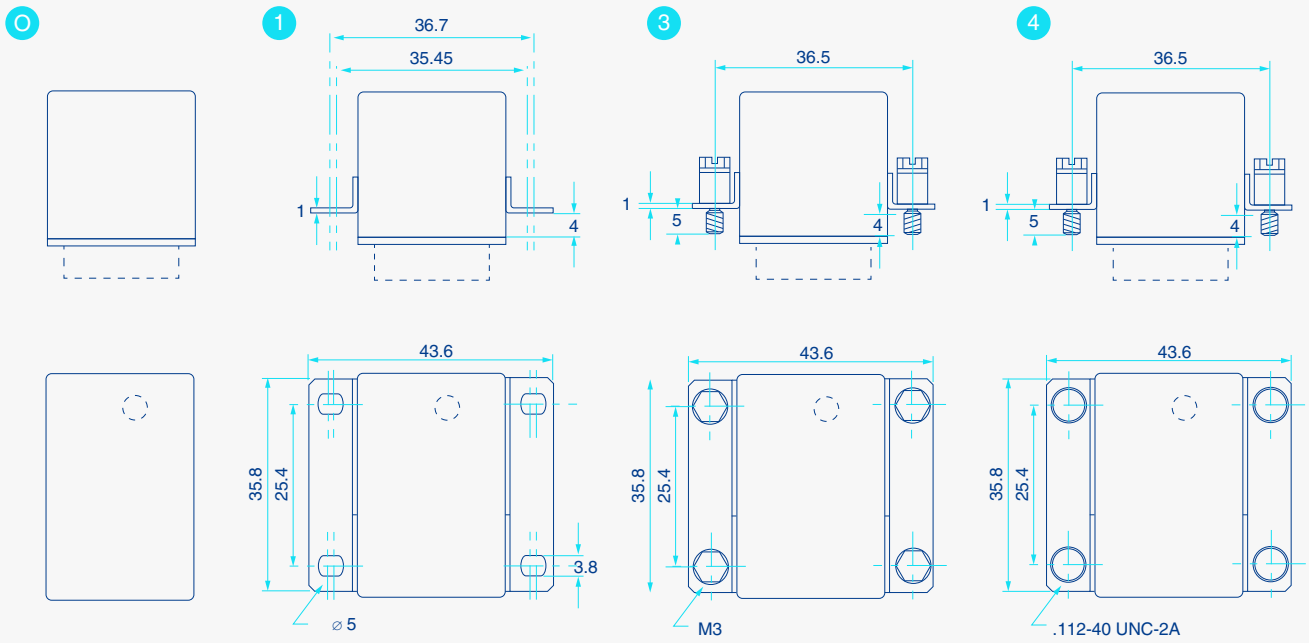
Electrical Characteristics

Voltage drop at nominal current (before life)	150 mV max
Voltage drop at nominal current (after rated life)	175 mV max
Operate time at nominal voltage at 25 °C (DC)	10 ms max for DC voltage
Release time at nominal voltage at 25 °C (DC)	10 ms max for DC voltage
Bounce time	1 ms max
Dielectric strength at sea level	
Contacts to ground and between contacts	1,250 Vrms
Coil to ground	1,000 Vrms
Dielectric strength at 70,000 Ft (all points)	350 Vrms
Insulation resistance	
Initial	> 1,000 MΩ at 500 VDC
After Life Tests	> 50 MΩ at 500 VDC
Low level contact rating	2 mA 30 mVDC
Initial contact resistance	< 15 mΩ
End of life contact resistance	17.5 mΩ

Environmental Characteristics

Temperature range	-65 °C to +125 °C
Operating position	Any
Resistance against vibrations IEC 61373, Category I, Class B, Body mounted	Sinus: 30 g - 10 - 3,000 Hz Random: 0.4 g²/Hz - 50 - 2,000 Hz Sinus for ASNE: 1.5 g - 10 - 40 Hz 0.7 mm of 40 - 80 Hz 20 g - 80 - 2,000 Hz
Mechanical shock (any axis) IEC 61373, Category I, Class B, Body mounted	200 g - 6 ms / 100 g - 11 ms 50 g - 6ms / 100 g - 11 ms for 336
Maximum contact opening time under vibration and shock	10 µs
Shake resistance	40 g
Acceleration	20 g all directions
Leak rate	≤ $1x10^{-8}$ atm cm³/s
Damp heat	EC 60068-2-67, Test condition 1
Salt mist	IEC 60068-2-11, 96h
Fire & Smoke	NF F 16-101/102; EN45545-2
REACH & RoHS	Refer to REACH and RoHS associated certificates

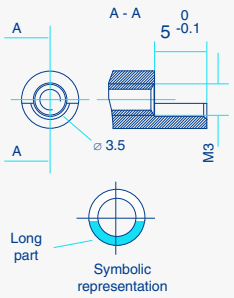
Mountings



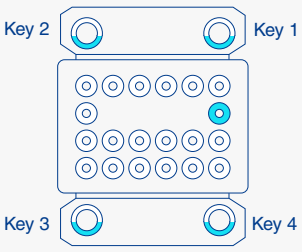
Coding keys for H mounting style

GUIDANCE CODES

U	V	W	X	Y	Z	
◯	◯	◯	◯	◯	◯	Key 1
◯	◯	◯	◯	◯	◯	Key 2
◯	◯	◯	◯	◯	◯	Key 3
◯	◯	◯	◯	◯	◯	Key 4



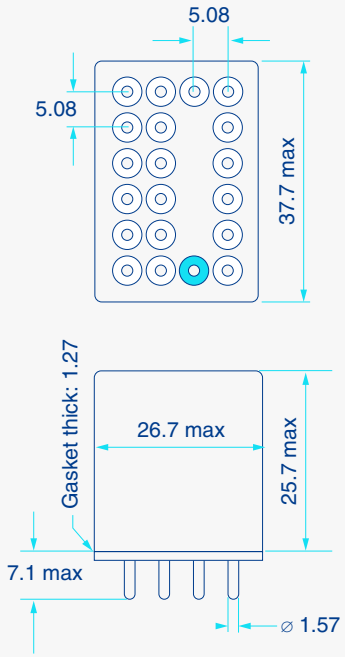
The coding example opposite is UUUU



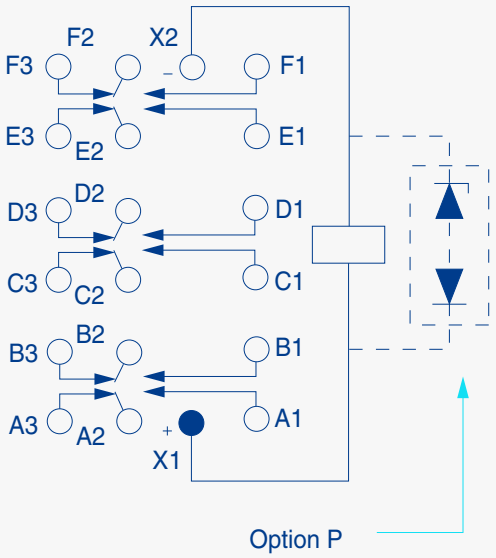
View from connections side

Connections

DC



Connection Diagrams



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