

Laser marking:
CROUZET sigle
Part number
Manufacturing date
(YEAR-WEEK)

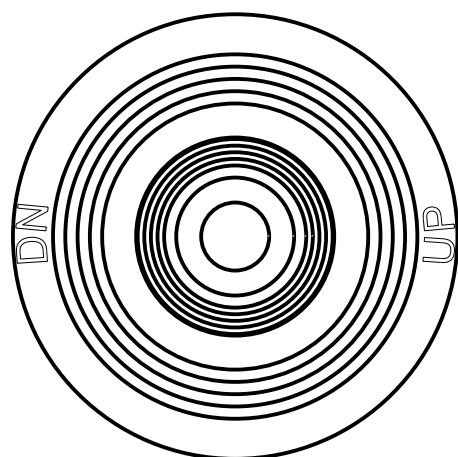
Crouzet FAOX2
P/N : 83452564
DATE : 06-37

Contol stamp
Nato code

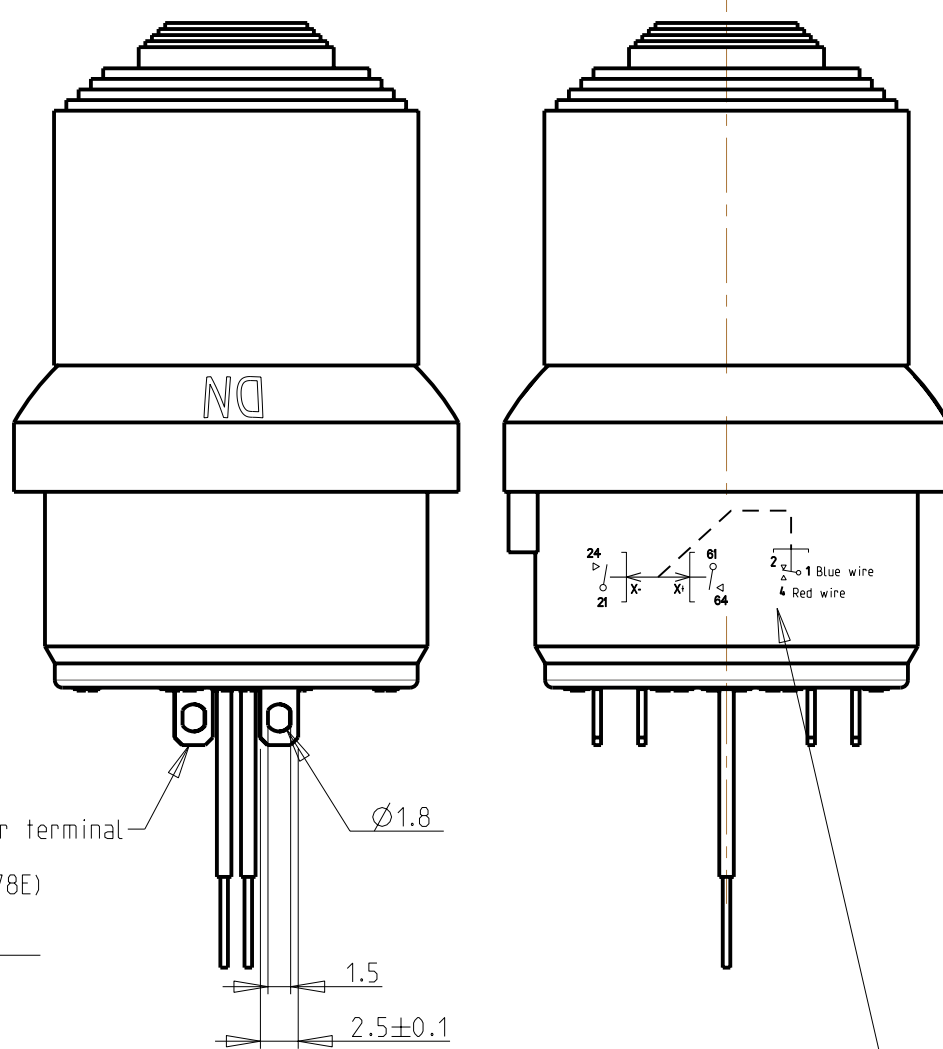
Solder terminal Ø1.8

Tin plated

Engraved Laser marking :
Color : White
Characters type : Arial



Scale 1/1



Laser marking:
Electrical diagram
marking, around this face

Presentation :

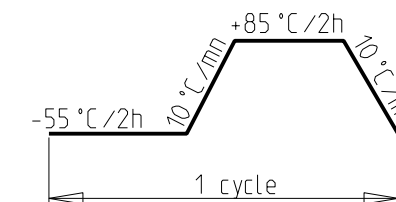
Function : 2 ways switch tactile effect with central push button
Casing : PA 6.6 GB 40% black
Plunger : PA 6.6 black
Contacts : Silver
Terminals : Solder lugs, silver plated brass

General characteristic :

Operating temperature : -55 °C to +85 °C
Storage temperature : -55 °C to +85 °C
Weight : 40gr max

Thermal shock :

3 cycles following the curve



Vibrations / Chocs :

In accordance with RTCA DO-160D section 8 Category H
Standard vibration (Paragraph 8.5.2 curve B) and
high level short duration vibration (Paragraph 8.6 curve R)

In accordance with RTCA DO-160D section 7 Category B
Operational shock (6g / 11ms) and Crash safety (20g / 11ms)

Altitude :

In accordance with RTCA DO-160D section 4 Category A1 :
15000 ft (4600m) or 571.8 mbar
Decompression: 8000 ft 50000ft (15240m) in 15 sec +/-10%

Sealing :

Unsealing product

Way function

Mechanical characteristics :

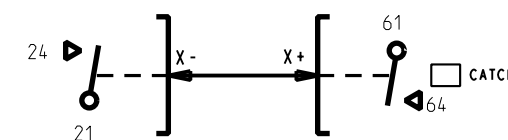
Detente action : 12N±3N
Operating force : Detente action - 6.5N
Permissible force at the end of travel : 70N maxi
Angular total travel ATT : 12° maxi (5.7mm maxi)
Angular pretravel APT : 9°30' maxi (4.50mm maxi)
Angular overtravel AOT : 1°30' mini (0.7 mm mini)
Angular return travel ART : 4° mini (1.85mm mini)
Torque on button : 2.5 DaN.cm max
Mechanical endurance by way : 300 000 cycles

Electrical characteristics :

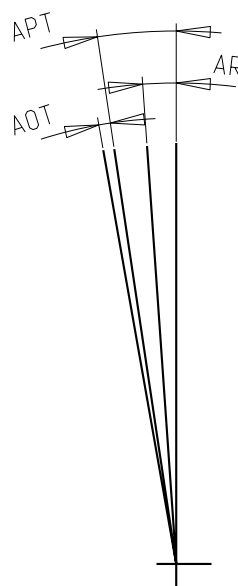
Electrical endurance : 100 000 Cycles
Dielectric strength : 600Vdc 5sec @ 1mA
500Vdc 1min @ 1mA
Insulation resistance : >20MΩ 500Vdc 2sec
>100MΩ 50Vdc 1min
Contact resistance : First inspection and after electrical & mechanical endurance, in accordance with MIL-PRF-8805

Current	30Vcc	120Vac 400Hz Cos p=0.8	Minimum voltage
Resistif	10A	2A	5Vcc
Self. Inductive L/R=5ms	10A	1A	
Minimum	0.5mA	0.5mA	

Electrical diagram (Front view)



Travels schema:



Validation function

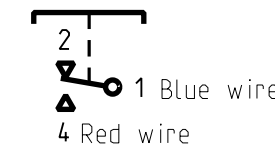
Mechanical characteristics :

Operating force : 6N max
Release force : 2N mini
Total travel TT : 1.6±0.5mm
Pre travel PT : 0.43mm mini
Plunger strengthness pulling action : 40N maxi
Plunger strengthness pushing action : 100N maxi
Mechanical endurance : 300 000 cycles
(5 cycles/sec, 1mm/mn to 0.3m/sec)

Electrical characteristics :

Electrical endurance : 100 000 cycles 1A 30Vdc resistive load
Dielectric strength : 600Vdc 5sec @ 1mA
500Vdc 1mn @ 1mA
Insulation resistance : >20MΩ 500Vdc 2sec
>100MΩ 50 Vdc 1min
Contact resistance : First inspection : R < 60mΩ @ 5V 1mA
After electrical endurance : In accordance with MIL-PRF-8805

Electrical diagram



83452564

Product:

A	IA2006024 : CREATION C.T.DEF.00511.FR	Modified by : F_MONCHAL 17/06/2010	Verified by : P_GIROUD 17/06/2010	Authorized by : NON APPLIC.
	Toler. gene. lin ± 0.3 mm Toler. gene. Ang ± 3 degrees	This document is the property of Crouzet-Automatismes. It's contents cannot be reproduced or divulged without the company's written approval. The product data and specifications found on this document do not constitute any contractual obligation. Crouzet-Automatismes and its subsidiaries reserve the right to modify the specifications. All rights of reproduction, modification, reprinting, and translation reserved for all countries.		
Crouzet General Raw surface Ra ✓	Customer: ANTONOV 2, rue du Dr ABEL BP 59, 26902, Valence CEDEX 9 France	Customer Ref.:	Scale 2/1	
Designation/FR: TRIM UNIPOLAIRE 2 DIRECTIONS A VALIDATION Designation/GB: 2 WAYS FLYGHT TRIM SWITCH AND VALIDATION	Department: CT	Design by : F_MONCHAL 17/06/2010 Verif. by : P_GIROUD 17/06/2010	PFT001:0<C>:0<M> Dispatching 01	
NATO code: FAOX2	Authorized by : NON APPLIC.	DATA SHEET		Index Format Folio
FT83452564FR			A	A2 1/1