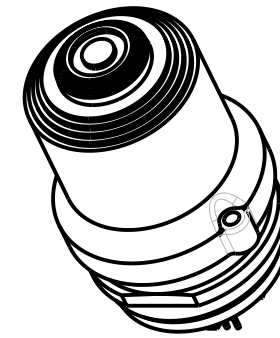


Scale 1/1



Presentation :

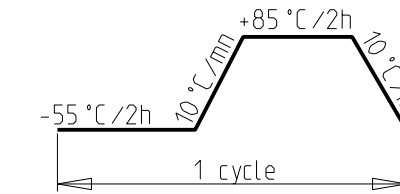
Function 4 ways switch tactile effect with central push button
 Casing PA 6.6 GB 40% black
 Plunger PA 6.6 black
 Contacts Silver
 Terminals Solder lugs, silver plated brass

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



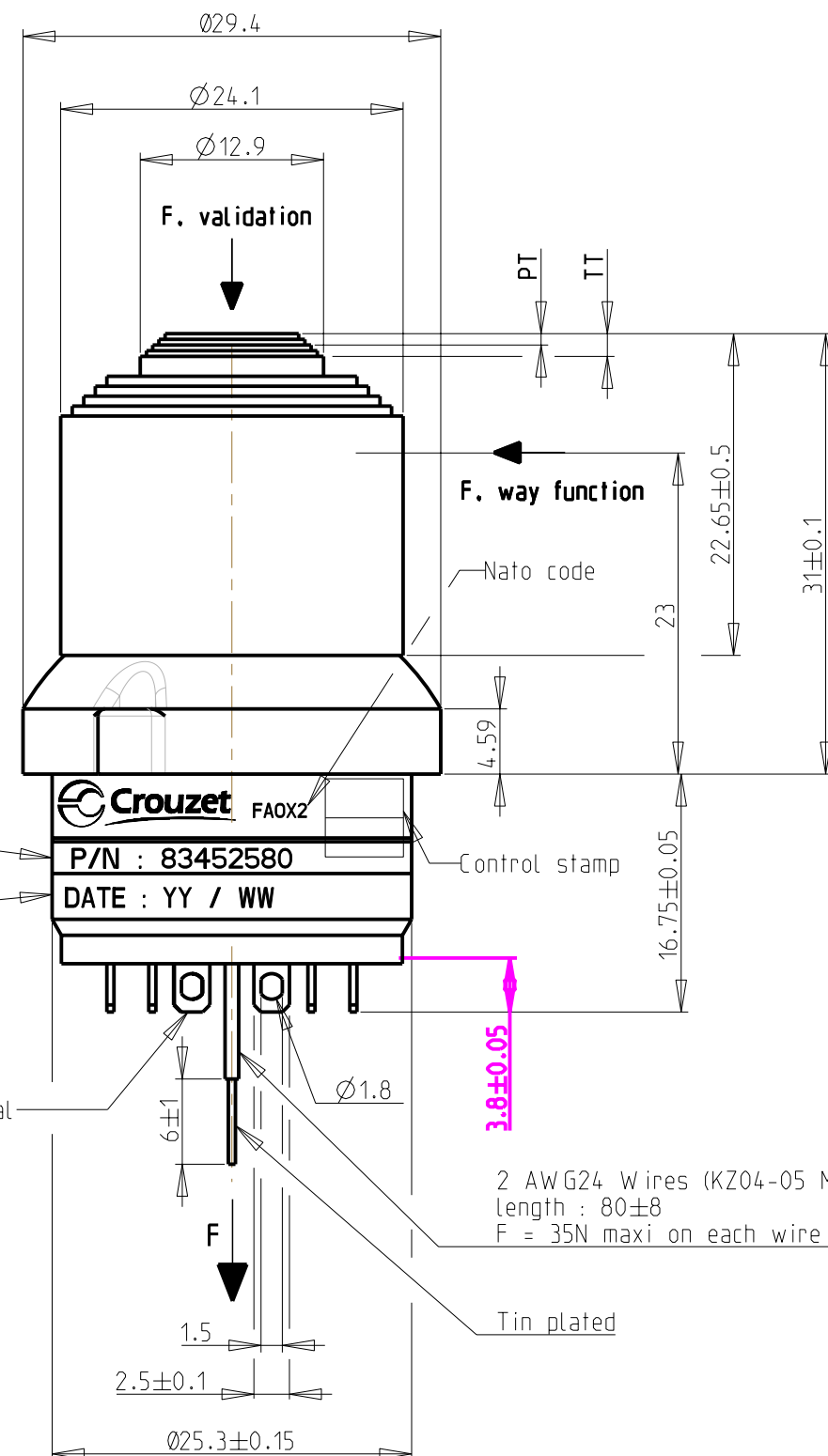
Vibrations / Chocs :

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 :

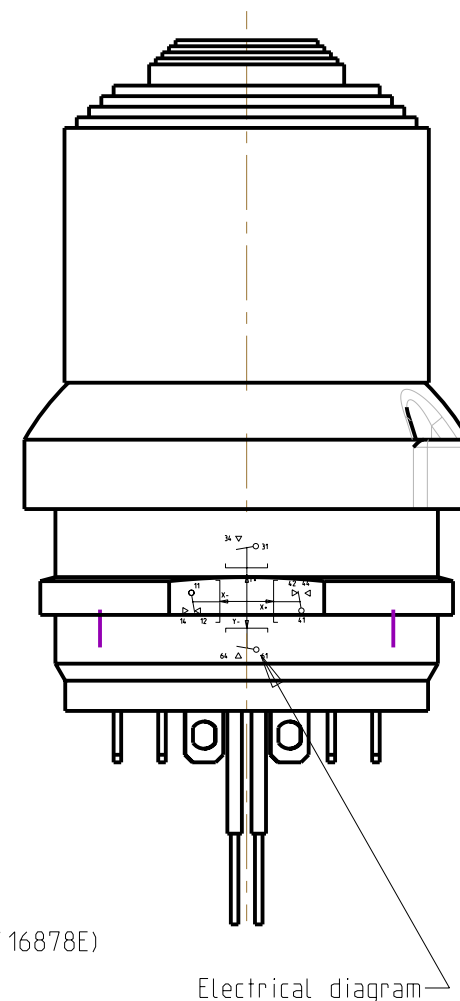
In accordance with RTCA DO-160D section 4 Category A1 :
 15000 ft (4600m) or 571.8 mbar
 Decompression: 8000 ft 5000ft (15240m) in 15 sec +/-10%



Marking:

Part number P/N : 83452580
 Manufacturing date (YEAR-WEEK) DATE : YY / WW
 Control stamp FAOX2

2 AWG24 Wires (KZ04-05 MIL -W16878E)
 length : 80±8
 F = 35N maxi on each wire



Way function

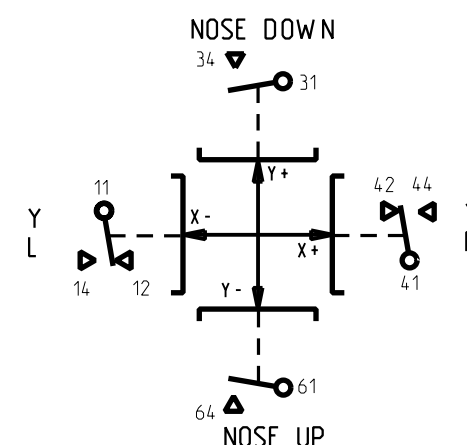
Mechanical characteristics :

Detente action - 6.5N
 Operating force 12N±3N
 Permissible force at the end of travel 70N maxi
 Angular total travel ATT 10°24' maxi (4.91mmMaxi)
 Angular pretravel APT 9°12' Maxi (4.3mm Maxi)
 Angular return travel ART 2° mini (0.93mm min)
 Torque on button 2.5 DaN.cm max
 Mechanical endurance by way 300 000 cycles

Electrical characteristics :

Electrical endurance by way 100 000 Cycles / 3A 28 Vdc resistive load
 Dielectric strength 600Vdc 5sec @ 1mA
 500Vdc 1min @ 1mA
 Insulation resistance >20MΩ 500Vdc 2sec
 >100MΩ 50Vdc 1min
 Contact resistance (in accordance with MIL-PRF-8805)
 25 milliohms initially Maxi
 40 milliohms after mechanical endurance test
 Test current : 0.1 ampere
 voltage : 6 V dc ±1 V dc.

Electrical diagram
 (Front view)



Validation function

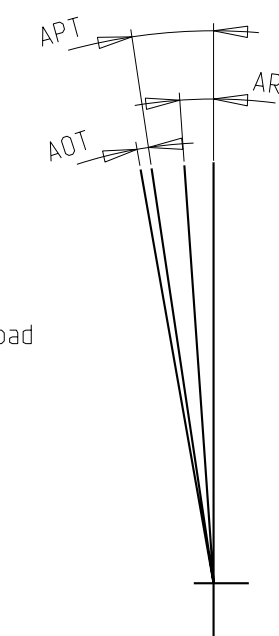
Mechanical characteristics :

Operating force 6N max
 Release force 2N mini
 Total travel TT 2.1 Max
 Pre travel PT 0.43mm mini
 Plunger strengthness pulling action 40N maxi
 Plunger strengthness pushing action 100N maxi
 Mechanical endurance 300 000 cycles

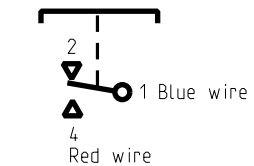
Electrical characteristics :

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

Travels schema:



Electrical diagram



PRODUIT
 1
 83452580

C	add Mechanical characteristics: 4.91 mm Maxi	Modified by	D_DELIAUD	06/09/2013
	TT 1.55 Max -> 2.1 Max	Verified by	L_NIGUET	06/09/2013
		Authorized by	NON APPLIC.	
Toler. gene. Lin ± 0.3 mm		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.		
Toler. gene. Ang ± 3 degrees				
	General Raw surface	Ra	Scale 2/1	
2, rue du Dr ABEL BP 59, 26902, Valence CEDEX 9 France	Customer:	Customer Ref.:		PFT001:0<C>;0<M>
Designation/FR:		TRIM UNIPOLAIRE 4D + VALIDATION		Dispatching 01
Designation/GB:		4 WAYS FLYGHT TRIM SWITCH + VALIDATION		Index 01
Department: CT	Design by	D_DELIAUD	20/03/2012	Format A2
NATO code: FAOX2	Verif. by	L_NIGUET	20/03/2012	Folio 1/1
Authorized by NON APPLIC.		FT83452580GB		

