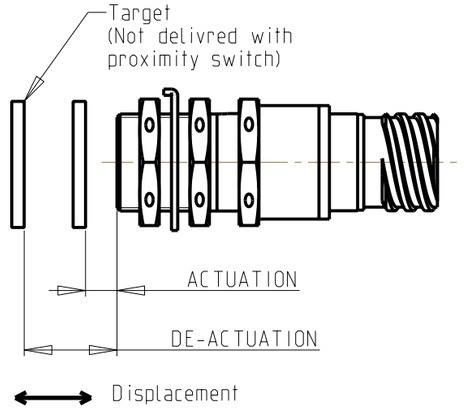
A ELECTRICAL CHARACTERISTICS:

POWER SUPPLY:	15 VDC ±10%
MAXIMUM VOLTAGE:	32.5 VDC WITH LOAD ADAPTATION
ELECTRICAL CONTINUITY:	2.5mΩ max BETWEEN CASE AND CONNECTOR
LEAKAGE CURRENT:	50 µA MAX at 16.5 Vdc
SWITCHING REPONSE TIME (Ton & Toff):	5ms max
SWITCHING FREQUENCY:	100Hz max
INSULATION RESISTANCE:	100MΩ / 500 Vdc
DIELECTRIC STRENGTH:	1000 VAC / 50Hz / 1mA
PROTECTION AGAINST:	POLARITY INVERSION AND LOAD SHORT CIRCUIT

ATP (as follow)
Frontal actuation / de-actuation



Head-on Actuation min ⩾ 1.8mm (tested in ATP)
Head-on De-actuation max ⩽ 4.7mm (tested in ATP)

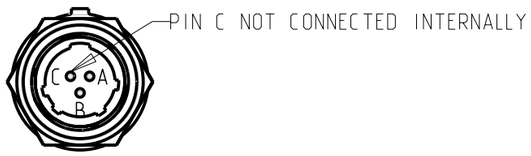
B ENVIRONMENT CHARACTERISTICS:

OPERATING TEMPERATURE:	RTCA DO-160G SECTION 4 CATEGORY D2 (-55°C to +85°C)
SHORT TIME OPERATING TEMPERATURE:	RTCA DO-160G SECTION 4 CATEGORY D2
ALTITUDE:	RTCA DO-160G SECTION 4 CATEGORY D2
TEMPERATURE VARIATION:	RTCA DO-160E SECTION 5 CATEGORY A
HUMIDITY:	RTCA DO-160G SECTION 6 CATEGORY C
SHOCKS & CRASH SAFETY:	RTCA DO-160G SECTION 7 CATEGORY B
VIBRATION:	RTCA DO-160G SECTION 8 CATEGORY S - CURVE W
EXPLOSIVE ATMOSPHERE:	RTCA DO-160G SECTION 9 CAT H
WATERPROOFNESS:	MIL-PRF-8805E WATERTIGHT SYMBOL 3
FLUID SUSCEPTIBILITY:	RTCA DO-160G SECTION 11 CATEGORY F ← For fluids / Fuels:-Aviation Jet fuel (F34) Hydraulic fluids: -Phosphate ester type 4 (Skydrol 500b) -Mineral based (Mil-H-5606) De Icing fluid:-ethylene Glycol Lubricating oil:-turbo oil 2380 Solvents and cleaning fluid:-Isopropyl alcohol
SAND & DUST:	RTCA DO-160G SECTION 12 CATEGORY D
FUNGUS:	RTCA DO-160G SECTION 13 CATEGORY F
SALT SPRAY:	RTCA DO-160G SECTION 14 CATEGORY S
MAGNETIC EFFECT:	RTCA DO-160D SECTION 15 CATEGORY A
POWER INPUT:	RTCA DO-160D SECTION 16 CATEGORY Z
VOLTAGE SPIKE:	RTCA DO-160G SECTION 17 CATEGORY A
AUDIO FREQUENCY CONDU. SUSCEPT.:	RTCA DO-160D SECTION 18 CATEGORY Z
INDUCED NOISE SUSCEPTIBILITY:	RTCA DO-160G SECTION 19 CATEGORY CW
RADIO FREQUENCY SUSCEPTIBILITY:	RTCA DO-160G SECTION 20 CATEGORY TT
EMISSION OF RADIO FREQUENCY ENERGY:	RTCA DO-160G SECTION 21 CATEGORY H / CATEGORY M
LIGHTNING EFFECTS:	RTCA DO-160G SECTION 22 CATEGORY A3J3L3
ICING:	RTCA DO-160G SECTION 24 CATEGORY A
ELECTROSTATIC DISCHARGE:	RTCA DO-160D SECTION 25 CATEGORY A

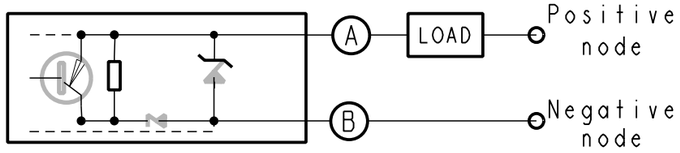
MECHANICAL CHARACTERISTICS:

-MATERIAL : STAINLESS STEEL AISI 304L INCLUDING FRONT FACE
-TIGHTENING TORQUE: 10Nm max
-WEIGHT: 70g max
-2 Stainless steel nut MS 21340-05
-1 Stainless steel lock washer MS 25081-C6

CONNECTION OUTPUT: D38999/25YA98PN



WIRING DIAGRAM:

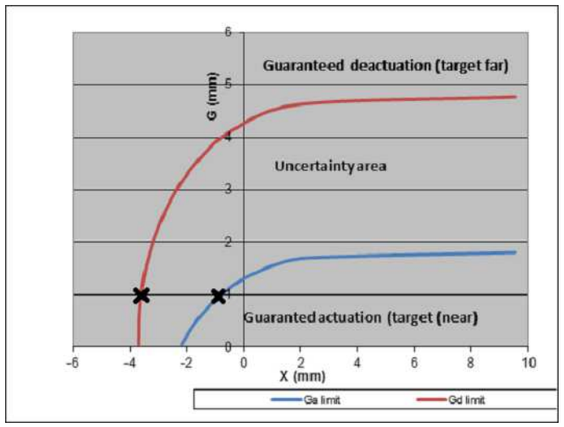


OUTPUT FEATURES :

LOAD: 400Ω ±5%

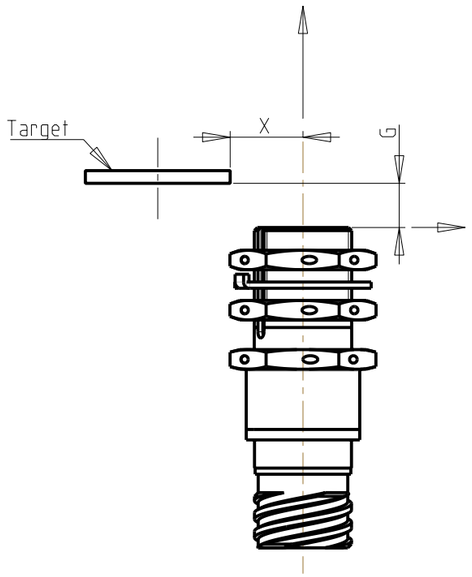
I LOAD	<1mA	1<I<3mA	3<I<6mA	6<I<12mA	I>12mA
OUTPUT STATE	FAILURE IPD OR OPEN CIRCUIT	NO CONDUCTIVE OUTPUT TARGET FAR	FAILURE IPD	CONDUCTIVE OUTPUT TARGET NEAR	FAILURE SHORT CIRCUIT BETWEEN A AND B OR OVERLOAD

OUTPUT CONDUCTIVE WHEN TARGET IS IN ACTUATION AREA. (Normally Open)

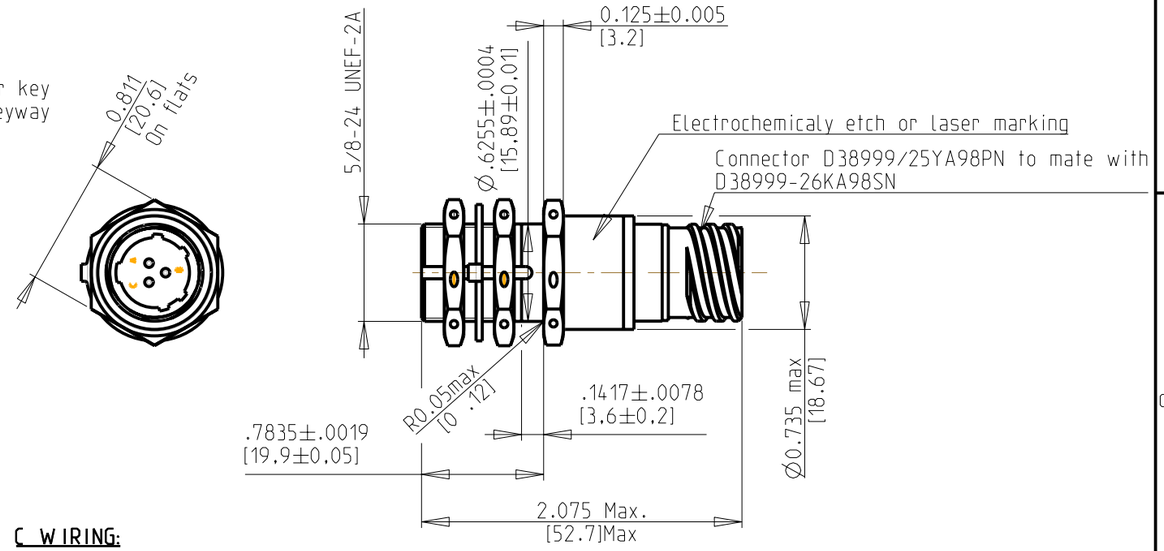


SWITCHING DISTANCE DEFINED FOR :

TARGET IN FERRO MAGNETIC STEEL 17-4PH
WITH 16mm DIAMETER AND 1mm THICKNESS MINIMUN



Connector master key
rotated 0°±10° from housing keyway



C WIRING:

PROXIMITY SWITCH MUST BE USED WITH AWG24 TWISTED & SHIELDED WIRES (E M I)

WIRING EXTERNAL TO FUSELAGE MUST HAVE 360° SHIELD BOND

84792000
Product:

A	CREATION IA2016057	Modified by	M_VERDIER	06/06/2017
		Verified by	PE_BONNET	06/06/2017
		Authorized by	F_SALA	06/06/2017

Toler. gene. lin ± / mm
Toler. gene. Ang ± / degres
General Raw surface Ra

Scale 1/1

CROUZET
2, rue du Dr ABEL
BP 59, 26902,
Valence CEDEX 9
France

Customer: CATALOG PRODUCT
Customer Ref.: NA
Designation/FR: DETECTEUR DE PROXIMITE
Designation/GB: PROXIMITY SWITCH
PFT001:0<C>;0<M>
Department CT
Request: --
NATO code: FAOX2
Designed by M_VERDIER 06/06/2017
Verified by PE_BONNET 06/06/2017
Authorized by F_SALA 06/06/2017

DATA SHEET
FT84792000GB

Index	Format	Folio
A	A3	1/1