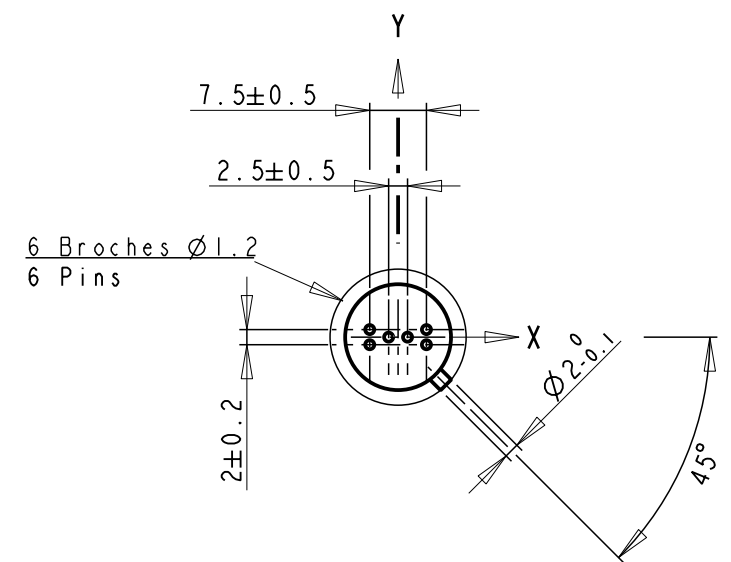


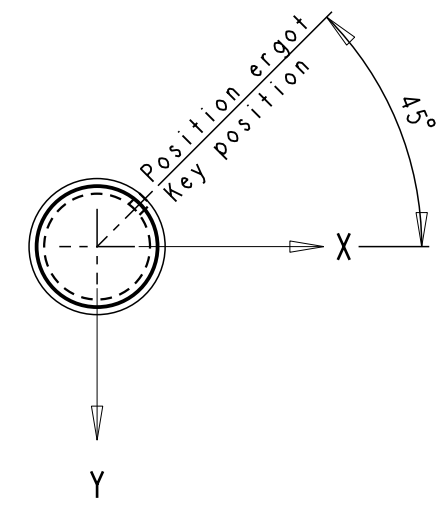
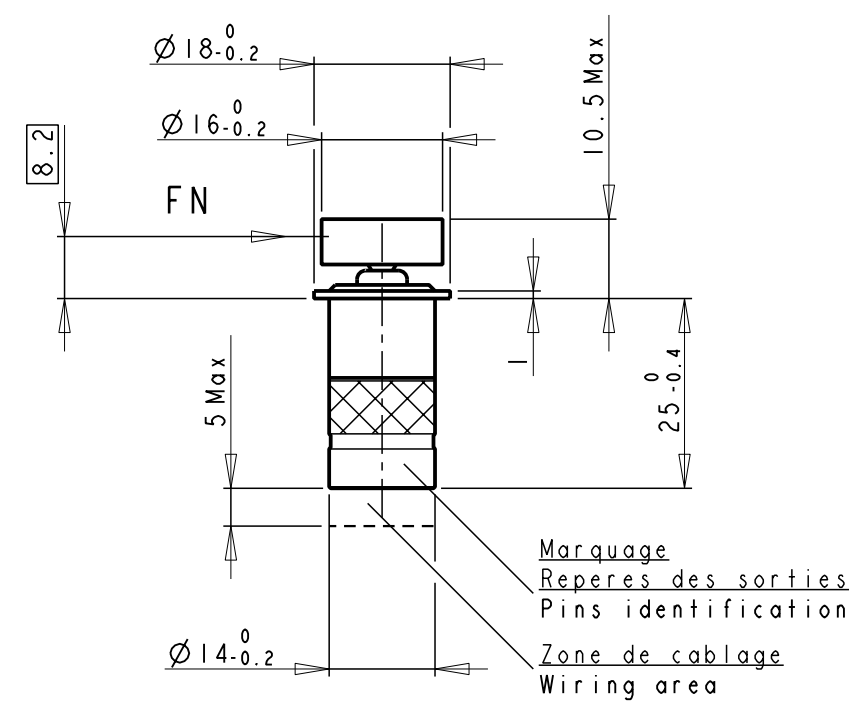
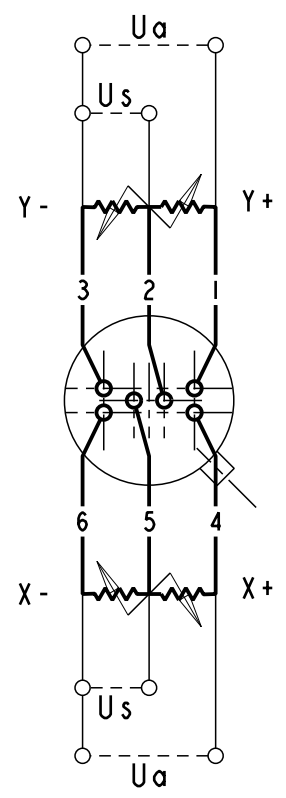
LES DESCRIPTIONS ET CARACTERISTIQUES FIGURANT SUR CE DOCUMENT SONT DONNEES UNIQUEMENT A TITRE D'INFORMATION ET NON D'ENGAGEMENT CONTRACTUEL  
CROUZET SE RESERVE LE DROIT D'EFFECTUER SANS PREAVIS, TOUTE MODIFICATION - TOUS DROITS DE REPRODUCTION RESERVES POUR TOUS PAYS

FICHE TECHNIQUE  
DATA SHEET

Bouton Isometrique  
Miniature JOYSTICK  
83-459-004



Schema Electrique  
Electrical Schema



\* Caract. GENERALES

- Temperature d'emploi
- Protection face avant: goutte a goutte
- Rigidite dielectrique
- Resistance d'isolement
- MTBF a moitie charge
- Masse

\* GENERAL Caract.

- Ambient Temperature range: -55° A +85°C
- Front face drip.proof: MIL STD 810D/506-2 -/Proced.11
- Dielectric strength: 50V
- Insulation resistance: >10MΩ sous 50Vc
- Half force MTBF: 10<sup>7</sup> cycles
- Mass: 23.5±2 g

\* Caract. MECANQUES

Axe X et Y

- FN->Force Nominale de Commande
- Force admissible en fin de course
- Couple admissible sur le bouton
- Endurance Mecanique

\* MECANICAL Caract.

X Y Axis

- FN-> Nominal Operate Force: 13.5 N
- Maximum end travel Force: 20N Max
- Maximum Torque on knob: 0.3 m.N
- Mecanical Endurance: 3.10<sup>5</sup> cycles

\* Caract. ELECTRIQUES

- Tension d'Alimentation: Ua peut varier de 5 a 15.3Volts
- Consommation du pont W ( 2 jauges en serie )

\* ELECTRICAL Caract.

- Nominal Voltage: 0 +15VDC±2% ou 0 -15VDC±2% ou ±7.5VDC±2%
- W bridge absorbed power ( 2 strain gauges in serie ) : <0.1W

		Tension Alimentation		
		UaN = 15VDC	Ua de 5 a 15.3VDC	Exemple Ua : 12VDC
Axe X et Y	X Y Axis			
- Tension de sortie au repos (Us)	- Output Voltage at free position (Us)	±7.5V VDC	±7.5x $\frac{Ua}{UaN}$ VDC	±6VDC
- Tolerance Us au repos	- Us limits at free position	±0.035V Max	±0.035x $\frac{Ua}{UaN}$ VDC Max	±0.028VDC Max
- Δ Us sous Force Nom.(EFN)	- Operate Force output voltage variation (EFN)	1.35VDC±20%	1.35x $\frac{Ua}{UaN}$ VDC±20%	1.08VDC±20%
- Sensibilite Nominale (SN)	- Nominal Sensitivity (SN)	0.1V/N±20%	0.10x $\frac{Ua}{UaN}$ V/N±20%	0.08V/N±20%
- Linearite de 10% a 90% de l'echelle	- Linearite between 10 and 90% scale	±0.07 VDC	±0.07x $\frac{Ua}{UaN}$ VDC	0.056VDC
- Hysteresis	- Hysteresis	±0.035 VDC	±0.035x $\frac{Ua}{UaN}$ VDC	±0.028VDC
- Derive de sensibilite en T°	- Sensitivity temperature coefficient	±0.2%/SN/°C	±0.2%/SN/°C	±0.2%/SN/°C
- Derive de tension residuelle en T°	- Operate Force Volt. Temp. Coeff.	±0.04%/EFN/°C	±0.04%/EFN/°C	±0.04%/EFN/°C
- Fidelite	- Voltage repetitive accuracy	±0.07 VDC	±0.07x $\frac{Ua}{UaN}$ VDC	±0.056VDC
- Derive sous Acceleration	- Voltage acceleration sensitivity	±0.07 VDC/g	±0.07VDC/g	±0.07VDC/g

Dimensions en millimetres Dimensions in millimeters

ECHELLE	I D	CTP 350 Correction et adaptation de la fiche aux tensions differentes de 15V	TRUCHET	E	Annule et remplace precedent indice CTP360	TRUCHET	30.10.96
		10 RUE DU DOCTEUR ABEL BP 59 26902 VALENCE Cedex 9 TEL.75 44 88 44	Etabli par: TRUCHET		Le: 02.02.94	FT83459004	E