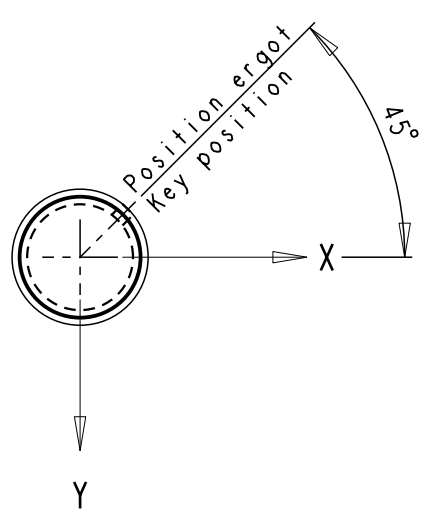
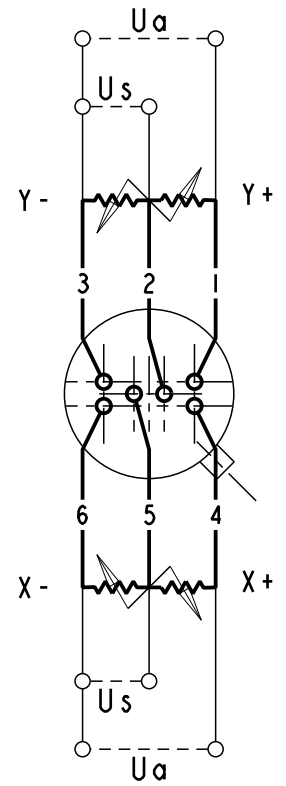


Marquage
Reperes des sorties
Pins identification
Zone de cablage
Wiring area



Schema Electrique

Electrical Schema



* Caract. GENERALES

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

* GENERAL Caract.

- Ambient Temperature range -55° A +85°C
- Front face humidity resistance D0160E/ED14E
- Dielectric strength -/section 6 cat B
- Insulation resistance 50V
- Half force MTBF >10MΩ sous 50Vcc
- Mass 10 cycles
- 23.5±2 g

* Caract. MECANIKES

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 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 series) <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
- ΔUs 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'échelle	- 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

83459010	CT 2789 : CREATION	Modified by	F_MONCHAL	30/04/2009
Product:	IA2007021	Verified by	P_BURTIN	30/04/2009
		Authorized by		

Toler. gene. Lin ± mm

Toler. gene. Ang ± degrees

Crouzet General Raw surface Ra ✓

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Scale 1/1

2, rue du Dr ABEL BP 59, 26902, Valence CEDEX 9 France	Customer:	Customer Ref.:	
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NATO code: FA0X2	Design by F_MONCHAL 30/04/2009	Verif. by P_BURTIN 30/04/2009	Dispatching 01
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