	ROBINET A TOURNANT SPHERIQUE BW CRYOGENIQUE à commande manuelle et extension de tige + fin de course BALL VALVE CRYOGENICS <i>Handle operated with extended stem + wire switche</i>		B.53.14.A5.05 REV C																	
	STANDARD ELEMENTAIRE ELEMENT STANDARD		Page 1 sur 5																	
PRINCIPALES UTILISATIONS Gaz naturel liquide et gazeux : - Température : -196°C ; + 80°C - Pression Maxi de service : 10 bar		MAIN USES Gaseous and liquide natural gas : - Temperature : -196°C ; +80°C - Max pressure of service : 10 bar		Annule et remplace fiche technique Y.53.434																
APPLICABILITE POTENTIELLE NAVIRE <table border="1"> <tr> <td>Passagers</td> <td>Militaire</td> <td>Méthanier</td> <td>Rapide</td> </tr> </table>		Passagers	Militaire		Méthanier	Rapide	POTENTIAL SHIP APPLICABILITY <table border="1"> <tr> <td>Passengers</td> <td>Military</td> <td>LNG Tanker</td> <td>High speed craft</td> </tr> </table>		Passengers	Military	LNG Tanker	High speed craft								
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DOCUMENTS DE REFERENCE - Suivant spécification D32T002		REFERENCE DOCUMENTS - According to spécification D32T002																		
MATIERE / TRAITEMENT DE SURFACE - acier inoxydable ASTM A351 CF3M		MATERIAL / TREATMENT SURFACE - Stainless Steel ASTM A351 CF3M																		
CARACTERISTIQUES - Série 150 - Passage integral - Raccordement BW - Norme : ANSI B16-34 - Montage : tige verticale - 2 fins de courses		CHARACTERISTIC - Serie 150 - Complete passage - Junction BW - Standard : ANSI B16-34 - Assembly : extended stem - 2 wire switches																		
<table border="1"> <thead> <tr> <th>DN</th> <th>NPS</th> <th>Masse en kg</th> <th>REFERENCE OBJET</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>1</td> <td>8</td> <td>SA035514</td> </tr> <tr> <td>50</td> <td>2</td> <td>20</td> <td>SA034198</td> </tr> <tr> <td>80</td> <td>3</td> <td>25</td> <td>SA033414</td> </tr> </tbody> </table>					DN	NPS	Masse en kg	REFERENCE OBJET	25	1	8	SA035514	50	2	20	SA034198	80	3	25	SA033414
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DOCUMENT DE CONTROLE A DELIVRER PAR LE FOURNISSEUR CONTROL DOCUMENTS TO BE DELIVERED BY THE SUPPLIER - Suivant spécification de commande D32T002 Certificat 3.1.C MATERIEL AVEC APPROBATION MATERIAL WITH APPROVAL - Sans		FOURNISSEURS / TYPE SUPPLIER / TYPE - Truflo Herstal Belgium NORME DE REFERENCE REFERENCE NORM Drawing n°: L15878A; L15713B		ETAT DE LIVRAISON et DE CONDITIONNEMENT DELIVERY AND CONDITIONNING STATUS																
Resp. Standardisation : J. BELLANGER Le : 08 - 09 - 2004	Resp. Fonction Technique : L.PERIO Le : 28 - 07 - 2004	Rév. : 1 (L.ANDRE) ajout du DN 25 et applicabilité pour M32 et P32 Rév. B : Modification du logo + copyright Rév. C : (L.ANDRE le 16/11/09) changement de logo et copyright																		

EL-O-MATIC ACTUATOR WITH HD SWITCH BOX

P&FV3

Description:
This heavy duty switch box, which enclosure contains two inductive proximity sensors without amplifiers, provides electric indication of the valve position.

The sensors are operated by two cams on a shaft extension of the actuator spindle and all mechanical parts are enclosed within the enclosure. Both switching points are independently adjustable and are normally set to indicate at about 5° before each end position.

The sensors wiring is connected back to a terminal block which is easily accessible when the top cover is removed. Two cable entries are provided, one of which is fitted with a blanking plug. This feature enables the switch box to be used as a terminal box, for instance for the solenoid wiring.

The switch box is provided with an interface to VDI/VDE 3845 and is fitted directly on the top of the actuator with a bracket and a visual position indicator.

Specification:

Sensors: 2-wire switches to EEx ia IIC T6 (DIN19234)

Name : Pepperl & Fuchs
Model : NJ2-V3-N
Type : 2-wire inductive NC
Voltage : 8 VDC nominal
Output : Unswitched, more than 3 mA
Approval : BASEEFA and PTB
Temperature : -25°C to +100°C

3-wire switches 10-30 VDC

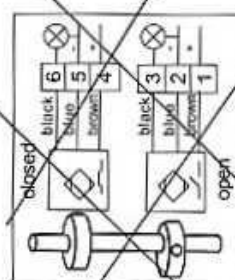
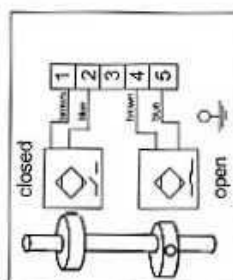
Name : Pepperl & Fuchs
Model : NBB2-V3 E2
Type : 3-wire inductive PNP, NO, with LED's
Voltage : 10-30 VDC nominal
Max. current : 100 mA
Temperature : -25°C to +70°C

Housing:

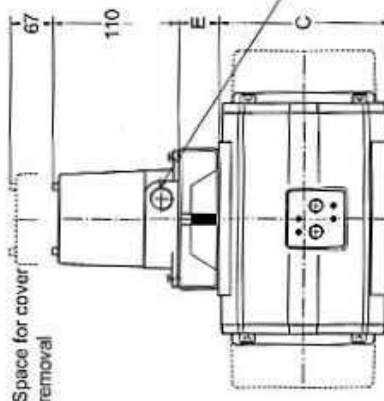
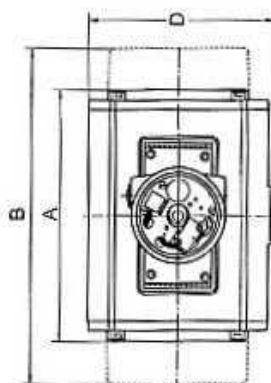
Material : Aluminium alloy, Al Si 10 Mg
Enclosure : IP 67 (IES-529)
Cable entries : 2 x Pg 13.5, option M20x1.5 or 1/2" NPT
Connections : Terminals inside housing
Finish : Epoxy coating
Mounting : Acc. VDI/VDE 3845 (NAMUR)

Identification:

2 Wire = HD-IS2, 3 Wire = HD-PNP



2x Pg 13.5 ENTRY
(option: M20x1.5 or 1/2" NPT)



Actuator type

Dim. in mm.	E 12	E 25	E 40	E 65	E 100	E 160	E 200	E 350	E 600	E 950	E 1600	P2500	P4000
A PD/ED	103	159	180	199	221	283	305	387	424	516	637	570	834
B PD/ES	118	172	204	249	267	360	387	477	517	637	327	386	410
C	80	100	113	125	138	163	201	250	289	327	242	275	300
D	60	83	96	107	117	137	182	217	242	275	358	380	390
E	45	45	45	45	45	45	45	45	55	55	55	55	55

VALVE AUTOMATION
SYSTEMS

EL-O-MATIC
INTERNATIONAL

Nr.:

3.201.010

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Date:

Dec. '99