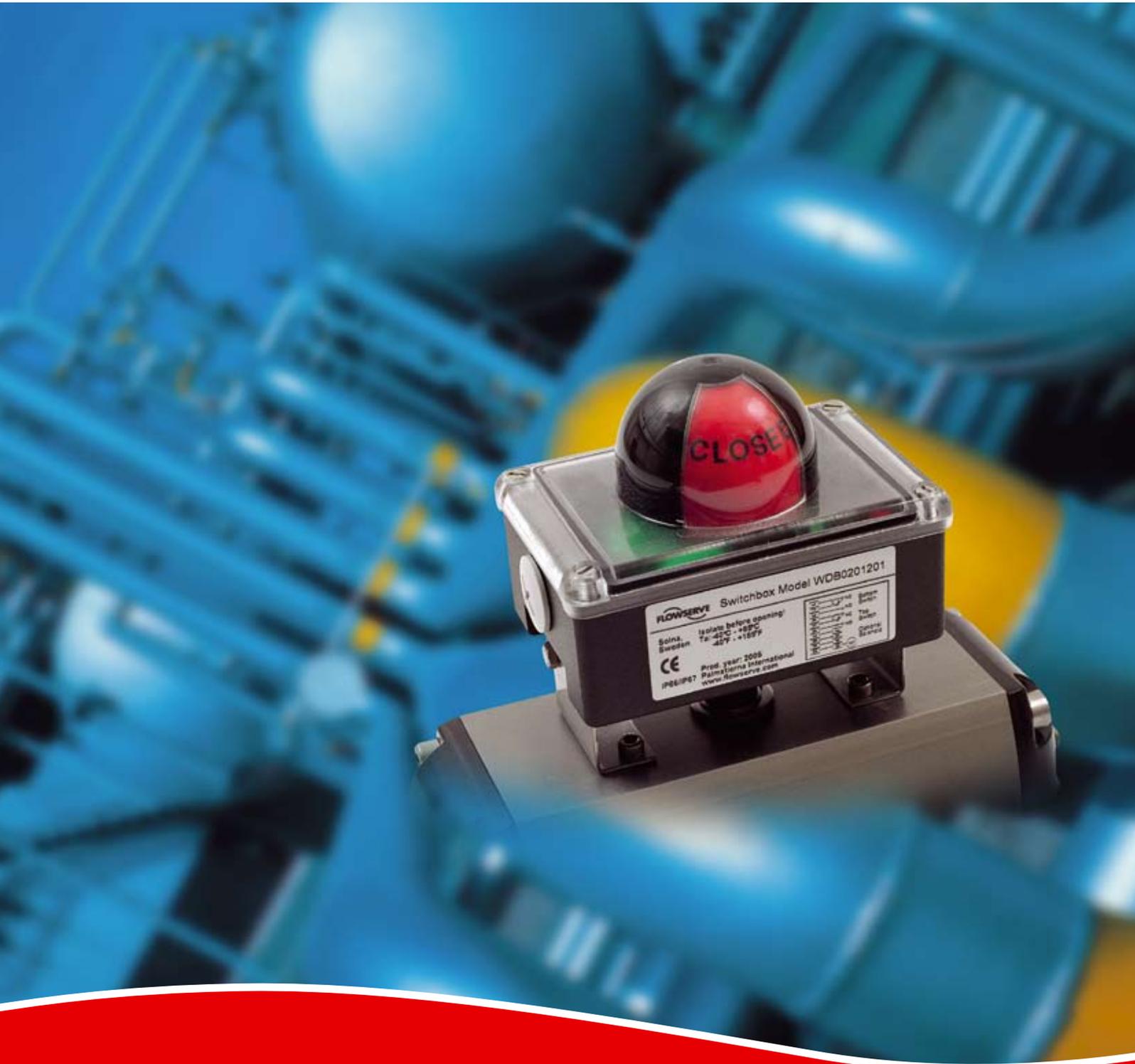




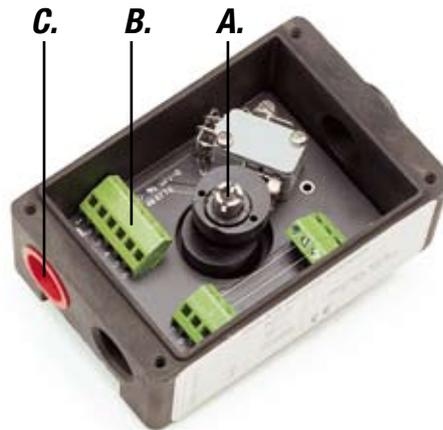
# ***W Series Switchbox***

Product  
Information

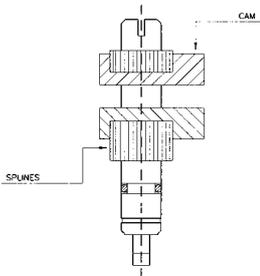


***Experience In Motion***

- A. Tool-free adjustment**
- B. Pre-wired terminal strip**
- C. M 20×1.5 conduit entries**



## Features



### Quick-set cams

Tool free adjustment of switch trip is accomplished simply by pushing or pulling the cam and rotating it to the new position. Cams are spring-loaded and splined to maintain switch setting in any installed position.

### Limit switches

Multiple options available:  
Electromechanical, Amplified proximity,  
Namur proximity.

### Cable entries

Two conduit entries as standard (WDB).  
Three conduit entries available as an option (WDC).

### Terminal strip

Pre-wired on printed circuit board. Extra terminal strip included for optional solenoid valve.  
2,5 mm<sup>2</sup> terminals are standard.

### Position indicator

Available with three different covers and position indicators: flat, Pharos™ or metallic.

### Captive Cover Screws

Permit calibration without potential for losing screws.

### Watertight protection

IEC 529 IP66/IP67 - NEMA 4X

### ATEX approved

Intrinsically safe EEx ia IIC T4 – T6 II 1 G



W series switchbox is designed to be directly and easily mounted onto actuators having connections according to Namur VDI/VDE 3845, in order to reduce switchbox/actuator overall dimensions. Picture shows W series with low profile mounting kit KL01.

- A. WDB01
- B. WDB02
- C. WDB03



#### WDB01 Features

- Powder coated aluminium body
- Flat polycarbonat cover
- Yellow double-arrow position indicator

#### WDB02 Features

- Powder coated aluminium body
- Dome style polycarbonat cover
- Red & green Pharos™

#### WDB03 Features

- Powder coated aluminium body and cover
- Aluminium disk position indicator

## Switch Options

### Electromechanical Switches

Switch type	Switch characteristics
V5	SPDT max 10 A 250 V AC

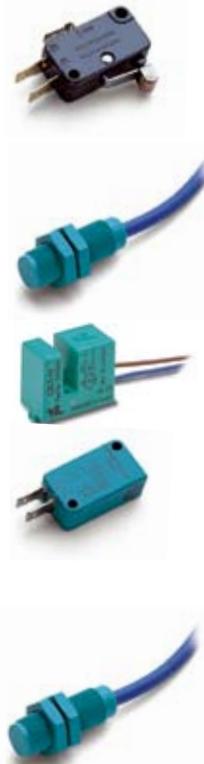
### Namur proximity switches

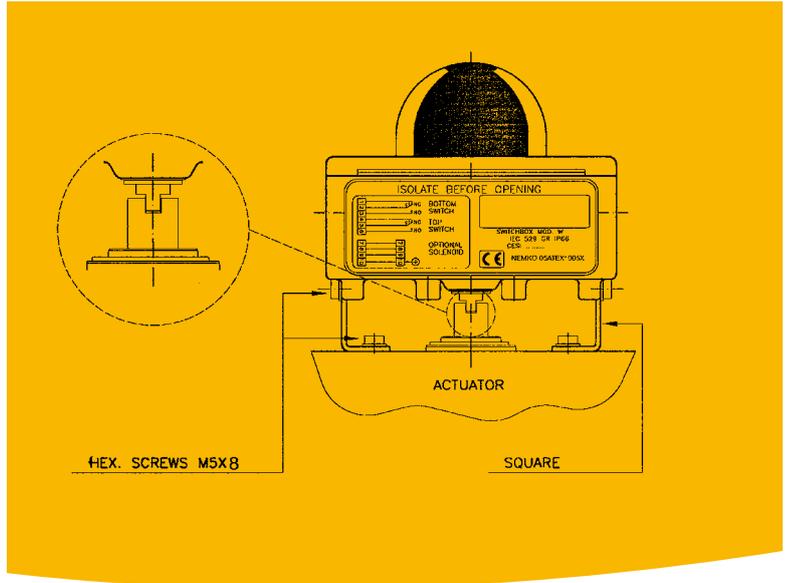
Switch type	Switch characteristics
P+F NJ4-12GK-N	cylindrical proximity 2 wires not amplified Namur EExia IIC certified
P+F SJ-3,5-N	slot proximity 2 wires not amplified Namur EExia IIC certified
P+F NJ2-V3-N	V3 proximity 2 wires not amplified Namur EExia IIC certified

### Namur proximity switches

Switch type	Switch characteristics
P+F NJ4-12GM40-E	cylindrical proximity, 3 wires NPN n.o. supply voltage 10–60 V DC
P+F NJ4-12GM40-E2	cylindrical proximity, 3 wires NPN n.o. supply voltage 10–60 V DC

More options are available, please contact us.





\* Available with "long Namur shaft" WBB



### AS-Interface (AS-i)

W series can be equipped with optional AS-i communication capabilities. This technology offers a very simple, flexible and cost effective network system.

#### Materials

<b>Cam shaft:</b> AISI 304
<b>Housing:</b> Aluminium, powder coated
<b>Screws, washers, springs, rings:</b> AISI 303
<b>Covers, flat 01 &amp; Dome 02:</b> Polycarbonate, clear
<b>Cover flat 03:</b> Aluminium, powder coated
<b>Indicator 01 &amp; 02:</b> Nylon 01, Polycarbonate 02
<b>Indicator 03 Metal:</b> Anodised aluminium
<b>Label:</b> Polyester
<b>Plug:</b> Nylon

### ATEX

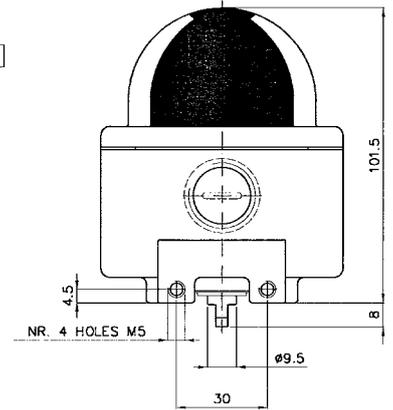
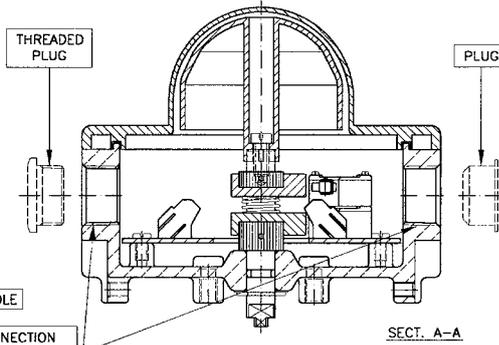
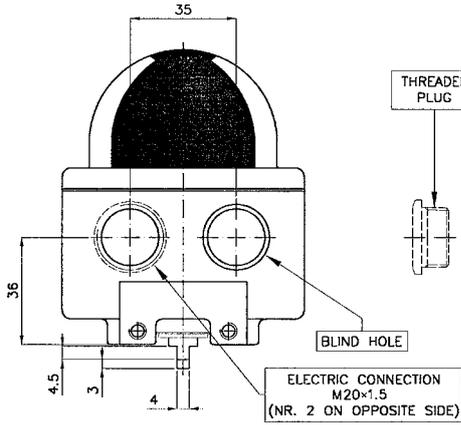
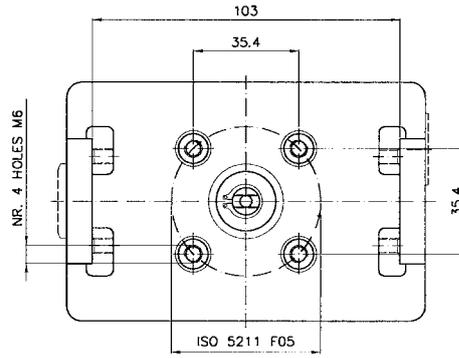
W series switchbox is ATEX approved EEx ia IIC T4 – T6 Ex II 1 G and can be installed in hazardous areas.

### W Series Coding

- A = BASE MODEL**
- W Aluminium Switchbox IP66/IP67
- B = Shaft type**
- B Namur shaft, long
- D Namur shaft, short
- C = Cable entry Qty & Thread**
- B 2 x M20 x1,5
- C 3 x M20 x1,5
- D 4 x M20 x1,5
- E 2 x 1/2" NPT
- F 3 x 1/2" NPT
- DD = Certificate, Cover type & Indication**
- 01 Aluminum body, Polycarbonate flat top cover with indicator
- 02 Aluminum body, Polycarbonate Pharos top cover
- 03 Aluminum body, Aluminum flat top cover with metal indicator
- 11 Aluminum body, Polycarbonate flat top cover with indicator ATEX EEx ia
- 12 Aluminum body, Polycarbonate Pharos top cover ATEX EEx ia
- 13 Aluminum body, Aluminum flat top cover with metal indicator ATEX EEx ia
- EE = Switch type**
- 01\* Honeywell V3./ V5. SPDT 250 V AC 10 A mechanical
- 66\* Honeywell V5J012BB1D SPDT 125 V AC 0.1 A Gold alloy - Cross Point
- 06\* P&F NJ4-12GK-N Proximity EEx ia Certified NAMUR
- 10 P&F NJ4-12GK40-E2 Proximity 3-wire PNP NO 10-60 V DC
- 17 P&F NCN4-12GM40-Z0 Proximity 2-wire NO 10-60 V DC
- 18\* P&F NJ2-V3-N Proximity EEx ia Certified NAMUR
- 19 P&F NJ2-V3-E Proximity 3-wire NPN NO 10-60 V DC NBB2-V3-E0
- 20 P&F NJ2-V3-E2 Proximity PNP NO 10-60 V DC NBB2-V3-E2
- 21\* P&F SJ3.5-N Proximity EEx ia Certified NAMUR
- 23\* P&F SJ3.5-SN Security proximity EEx ia TUV Certified NAMUR
- 37 P&F NJ4-12GM40-E Proximity 3-wire NPN NO 10-60 V DC
- 38 P&F NJ4-12GM40-E2 Proximity 3-wire PNP NO 10-60 V DC
- 43\* P&F NCN4-12GM35-NO Proximity EEx ia Certified NAMUR with LED
- 44 P&F NBB3-V3-Z4 Proximity Induttivi 2-wire NO 5-60 V DC
- 54\* P&F NJ2-11-N-G Proximity EEx ia Certified NAMUR
- 70 P&F NBN4-12GM40-E2 Proximity inductive. 3 wires PNP NO 10-30 V DC
- 47 IFM 5616
- AS Asi communication incl 2 x proximity switches
- F = Switch QTY (See price above)**
- 0 No switch
- 1 1 Switch
- 2 2 Switch
- G = INDICATOR**
- 0 Standard 2-way
- Y 3 way - 120°
- L 3 way - L - 90°
- T 3 way - T - 90°
- H = LABEL**
- 0 Blank
- 1 Automax
- 2 Gefa
- 3 Ebro
- 4 Accord
- 5 PMV

\* Switch option available with ATEX EEx ia certificate

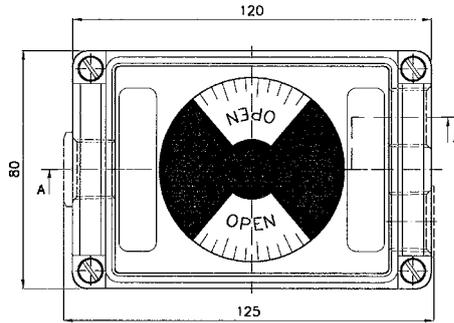
**WDB Dimensions (mm)**



**MOD. 02**

VERSION WITH PHAROS INDICATOR

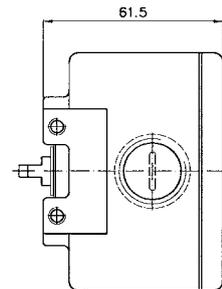
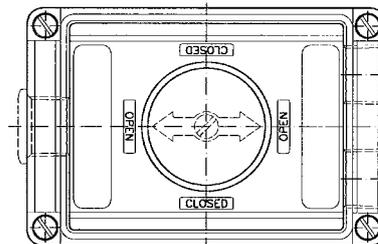
Weight 530 g



**MOD. 01**

VERSION WITH FLAT TRASPARENT COVER

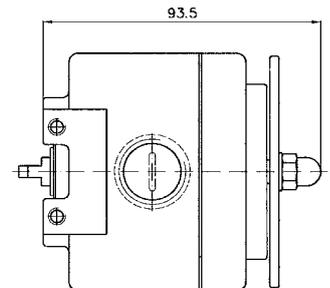
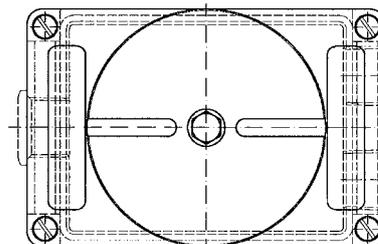
Weight 510 g



**MOD. 03**

VERSION WITH METAL COVER AND METAL INDICATOR

Weight 700 g





p/n: FCD PMENBR0011-02



**Hazardous Locations** 

ATEX EEX ia IIC T4 – T6  II 1 G

ATEX Nemko 05 Alex 10058

**AS-Interface (AS-i)** 

W series can be equipped with optional AS-i communication capabilities.

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