

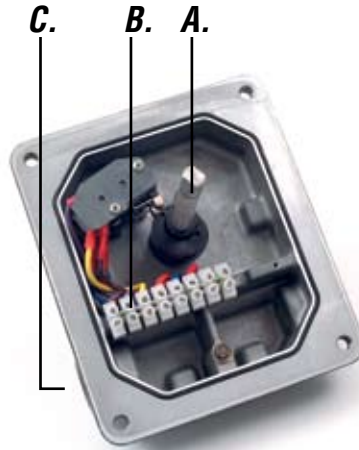
XCL Series Switchbox

Product
Information

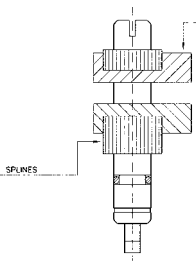
ATEX II 2 G Ex EEx d IIB T5



- A. Tool-free adjustment
- B. Pre-wired terminal strip
- C. Dual 3/4 NPT or M25x1,5 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.

Captive Cover Screws

Permit calibration without potential for losing screws.

Watertight protection

IP 66 / NEMA 4X

ATEX approved

Explosion proof ATEX II 2 G EEx d IIB T5

Limit switches

Multiple options available:
Electromechanical, Amplified proximity,
Namur proximity, SPDT, DPDT.
Up to 4 pcs possible.

Cable entries

Dual 3/4 NPT (XCL) or M25x1,5 (XML) conduit entries as standard.

Terminal strip

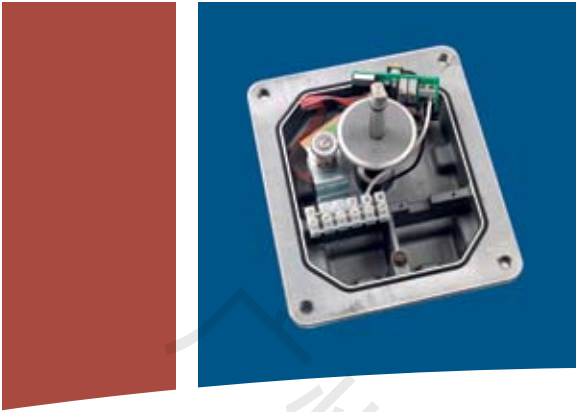
Pre-wired, multi-point terminal strip with extra strip as standard for optional solenoid valve.

Position indicator

Bolt-on Dome indicator for high contrast wide angle viewing. A flat lid without indicator is also available.



XCL 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 mounting time.



4-20 mA Transmitter



2 x SPDT switches Type M1



2 x SPDT Sabre Switch

Switch Options

Switch Option	Manufacturer	Part Number	Load Capacity
M1 - SPDT Mechanical	Honeywell MicroSwitch	V7-1C13D8-201	15A (1/2 HP) at 125 VAC / 1/2A at 125 VDC
MG - SPDT Gold Mechanical	Honeywell MicroSwitch	V7-1D11D8-201	1A at 125 VAC / 50 mA at 24 VDC
M3 - DPDT Mechanical	Cherry	E19-00A	15A (3/4 HP) at 125 VAC
MB - DPDT Mechanical	Licon	22-104	10A (1/2 HP) at 125 VAC
P4 - SPST Proximity	Aleph	PS-6132	0.35A at 140 VAC / 1A at 50 VDC (50 W Max.)
P5 - SPDT Proximity	Hamlin	59135-030	0.25A at 120 VAC / 0.25A at 28 VDC (3 W Max.)
PE - SPDT Sabre Proximity	Flowserve	XA0199	1A at 120 VAC / 1A at 24 VDC (25 W Max.)
PP - SPDT Phazer Proximity	Flowserve	XA0155	3A at 120 VAC / 2A at 24 VDC (100 W Max.)
PT - SPST BRS Proximity	Flowserve	XA0157	3A at 120 VAC / 0.5 at 24 VDC
N8 - Solid State Proximity	Pepperl + Fuchs	NJ2-V3-N	
NP - Solid State Proximity	Pepperl + Fuchs	SJ3.5-N	NAMUR Sensor Output / 5-25 VDC Supply Load Current <1 mA (w/Target) / > 3 mA w/out Target
NQ - Solid State Proximity	Pepperl + Fuchs	NJ4-12GK-N	
NR - Solid State Proximity	Pepperl + Fuchs	NJ4-12GM40-E1	PNP Sinking / 200 mA max. Current / 10-60 VDC
NS - Solid State Proximity	Pepperl + Fuchs	NJ4-12GM40-E2	NPN Sourcing / 200 mA max. Current / 10-60 VDC
NJ - Solid State Proximity1	IFM Efeotor	IN-2002-ABOA	0.35A at 250 VAC / 0.1A at 250 VDC
NU - SPDT GO Proximity	GO	35-13319-A1A	4A at 120 VAC / 3A at 24 VDC



ATEX

XCL series switchbox is ATEX approved. Explosion proof ATEX II 2 G Ex EExd IIB T5 and can be installed in hazardous areas.

Materials

Cam shaft: AISI 304

Housing: Aluminium, powder coated

Screws, washers, springs, rings: AISI 303

Dome Indicator: Polycarbonate

Label: Polyester

XCL Series Coding

Brand sticker	0	Automax
	P	PMV
	N	Namur VDI/VDE 3845
Shaft	XCL	2 x 3/4 NPT
Connections (cable entry)	XML	2 x M25 x 1,5
Indicator option	1	Flat cover without indicator
	U	Dome, Red/Green
Qty of switches	0	0 switches
	1	1 switch
	2	2 switches
	4	4 switches
Switch options	M1	SPDT Mechanical switches 250VAC 10A
	MG	SPDT Mechanical switches gold plated
	M3	DPDT Mechanical Cherry
	MB	DPDT Mechanical Licon
	P4	SPST proximity
	P5	SPDT proximity
	PE	Sabre SPDT proximity
	PP	Phazer II SPDT proximity
	PT	BRS SPST Phazer II proximity
	N8	P+F NJ2 V3 N (Namur)
	NQ	P+F NJ4-12GK-N (Namur)
	NR	P+F 12GM40-E1 (3 wire NPN NO)
	NS	P+F 12GM40-E2 (3 wire PNP NO)
	NP	P+F SJ 3,5-N (Namur)
	NJ	IFM IN -2002-ABOA
	NU	GO proximity 35-13319-A1A
	FZ	AS-i controller card 2,0 incl. 2 proximity switches
Certificate	14	General Purpose
	19	ATEX II 2 G EEx d IIB T5
Analog Output	0	None
	T	4-20 mA transmitter
	D	180 deg 4-20 mA transmitter
	A	0-1k Ohm Pot
	B	0-5k Ohm Pot
	C	0-10k Ohm Pot
Wiring options	0	None
Minimun extra terminals	2	2 (standard)
	4	4 (Optional)
	6	6 (Optional, not possible for all switch options)
Acessories	0	None
	L	Cover bolts lubricated with grease
	P	180° Pot (for analog options: A, B, C)
	V	Viton O-rings
Housing/Surface treatment	0	Black polyester powder coat

Example
PNXCLU2M1-1900-200



AS-Interface (AS-i)

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

Dimensions (mm)

