

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

2 & 3 Position Selector Switches

Specifications

XP **2** **-S** **C** **C** **-AE1** **-FS** **(-CEN)**
a b c d e f g h ATEX Optional

a = Switch Type

Code	Description
Blank	Standard
K	Keyed

b = Number of Positions

Code	Description
2	Two Position Switch
3	Three Position Switch

C/F for Selector Switches with greater than 3 positions

c = Sequence

Code	Description
S	Maintained
C	Return to Center
R	Return From Left
L	Return From Right

d = Barrel Type

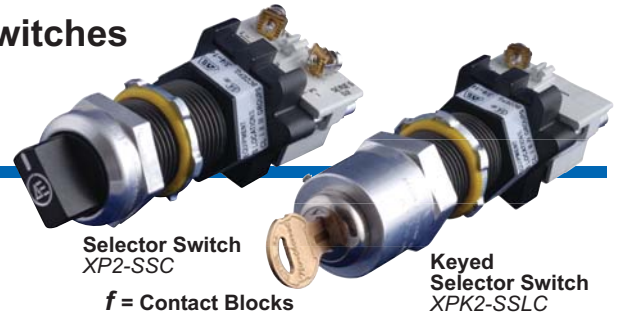
Code	Description
S	Short Barrel
L	Long Barrel

e = Key Removal Position

Code	Description
Blank	No Key
C	Center Removal
R	Right Removal
L	Left Removal

g = Unique Key Configurations

Code	Description
AE1	Key #1
AE2	Key #2
AE3	Key #3



Selector Switch
XP2-SSC

Keyed
Selector Switch
XPK2-SSLC

f = Contact Blocks

Code	Description
Blank	No Contacts
A	1 N.O.
B	1 N.C.
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C.
*D	2 N.O. / 2 N.C.
E	1 N.C.L.B.
F	1 N.O.E.M.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

h = Accessory

Code	Description
-FS	Finger Safe Options

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

CONTACT ABBREVIATION

N.O.= Normally Open

N.C.= Normally Closed

N.C.L.B.= Normally Closed- Late Break

N.O.E.M.= Normally Open- Early Make

All contact blocks are rated 600V unless noted.

Consult factory for switching sequences with multiple contacts. Up to four contacts may be stacked.

See Cam Page for Reference to Switching Sequences.

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration



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XP 2 & 3 Selector Switch Operators (Keyed & Non-Keyed) Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in
Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and
Dust-Ignition-Proof Electrical Equipment
for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof
Enclosures for use in Class I Hazardous locations.



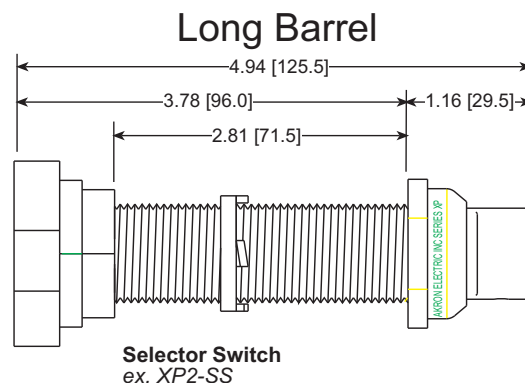
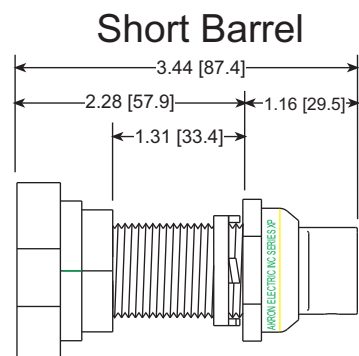
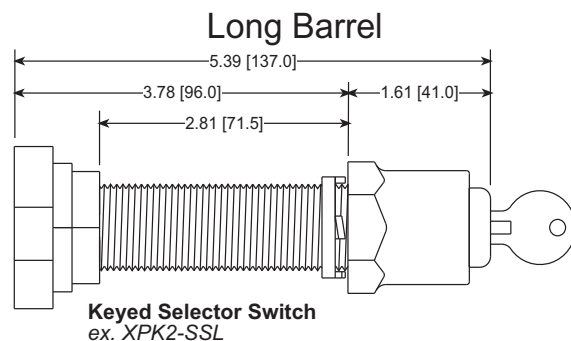
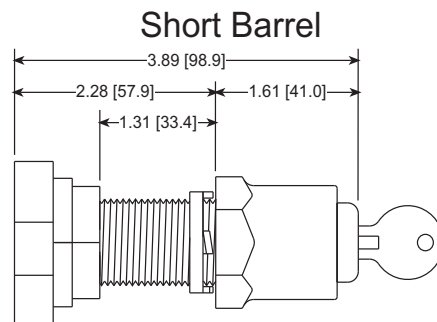
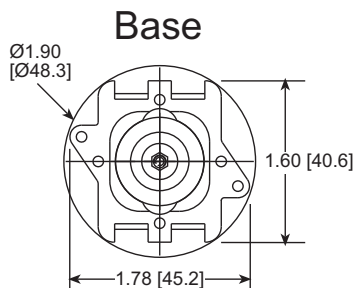
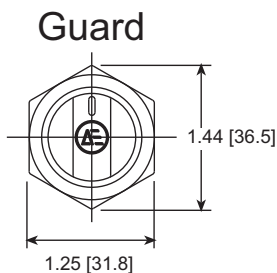
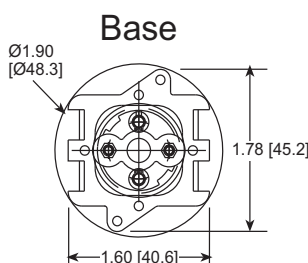
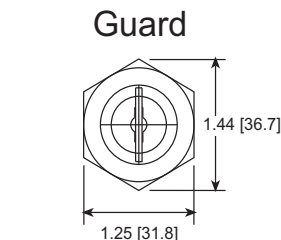
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FILE NO. E181300
FILE NO. E139669



LR86146



(Optional)



FEATURES

- Operator bodies are black anodized & teflon impregnated.
- Operating Shafts are stainless steel.
- 3/4-14 NPSM threaded body size
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1" thick enclosure wall thickness.
- Explosion-Proof Operators are suitable for panel or surface mount applications.
- See Contact Block Information sheet for mounting and rating information.
- Selector Switches available in 2 or 3 positions (For Keyed - specify key removal position)
- Three unique key configurations available - Specify AE1, AE2, or AE3

Explosion-Proof Selector Switches

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Selector Switch Contact Sequence Chart

Contact Block Switching Sequences (Standard Installation)

AE SUFFIX	CONTACT BLOCK (AE)		CONTACT BLOCK (CH)	CIRCUIT OF CONTACT BLOCK	MTG. POS.	2 POSITION		3 POSITION															
						CAM 1		CAM 2		CAM 3		CAM 4		CAM 5		CAM 6							
	KNOB POSITION →					L	R	L	C	R	L	C	R	L	C	R	L	C	R				
"A"	2003ABB	10250T53	1 N.O.	A	O	X	O	O	X	X	O	O	O	O	X	O	X	X	O	O	X	O	
"B"	2003AAB	10250T51	1 N.C.	A	X	O	X	X	O	O	X	X	O	X	O	X	O	O	X	O	O	X	
"2A"	2003AEB	10250T2	1 N.O. 1 N.O.	A B	O O	X X	O O	X X	O X	O X	X O	O O	X X	O O	X O	X O	X O	X O	O	X O	O O	X O	
"2B"	2003ADB	10250T3	1 N.C. 1 N.C.	A B	X X	O O	X O	X O	X O	O O	X X	X O	X O	X O	O	X X	O O	X X	O O	X O	O O	X O	
"C"	2003ACB	10250T1	1 N.C. 1 N.O.	A B	X O	O X	X O	X O	X O	O O	X X	X O	X X	X O	X O	O	X O	O O	X O	O O	X O	X O	
"D"	(2) 2003ACB	(2) 10250T1	2 N.C. 2 N.O.	A B	X O	O X	X X	X O	X O	O O	X X	X O	X X	X O	X O	O	X O	O O	X O	O O	X O	X O	
"E"	2003AGB	10250T71	1 N.C.L.B	A	X	O	X	X	O	O	X	X	O	X	O	X	O	O	X	O	O	X	
"2E"	2003AHB	10250T45	1 N.C.L.B. 1 N.C.L.B.	A B	X X	O O	X O	X O	X O	O X	X O	X O	X O	X O	O	X X	O X	X X	O O	X O	O	X O	
"J"	(3) 2003ACB	(3) 10250T1	3 N.C. 3 N.O.	A B	X O	O X	X X	X O	X O	O O	X X	X O	X X	X O	X O	O	X O	X O	O	X O	O	X O	
"K"	(4) 2003ACB	(4) 10250T1	4 N.C. 4 N.O.	A B	X O	O X	X X	X O	X O	O O	X X	X O	X X	X O	X O	O	X O	X O	O	X O	O	X O	
"L"	2003AJB	10250T47	1 E.C.N.O. 1 N.C	A B	O X	X O	O O	X O	X O	X X	O O	X O	X O	X O	O	X X	O X	X X	O X	X O	X O	X O	
"M"	2003AKB	10250T57	1 E.C.N.O. 1	A B	O O	X X	O O	X X	O O	X O	O O	X O	X X	O X	X O	O	X X	X O	O	X O	O	X O	
"N"	2003ALB	10250T55	1 L.O.N.C. 1 E.C.N.O.	A B	X O	O X	X X	X O	X O	O O	X X	X O	X X	X O	X O	O	X X	X O	O	X X	O	X X	
"P"	2003AFB -RATED- -300V	10250T44 -RATED- -300V	1 N.C.	A	X	O	X	X	O	O	X	X	O	X	O	X	O	X	O	O	X	O	
			1 N.O.	A	O	X	O	O	X	X	O	O	X	O	X	O	X	O	X	O	O	X	O
			1 N.C.	B	X	O	O	X	O	X	X	O	X	X	O	X	O	X	X	O	X	O	X
			1 N.O.	B	O	X	X	O	X	O	X	O	X	X	O	X	X	X	O	O	X	O	X

Inverted Contact Blocks (Rotated 180° from Standard)

AE SUFFIX	CONTACT BLOCK (AE)	CONTACT BLOCK (CH)	CIRCUIT OF CONTACT BLOCK	MTG. POS.	2 POSITION		3 POSITION			
					CAM 1	CAM 2	CAM 3	CAM 4	CAM 5	CAM 6
	KNOB POSITION →				L R	L C R	L C R	L C R	L C R	L C R
"A**"	2003ABB	10250T53	1 N.O.	B	O X	X O X	O O X	O X X	X O O	O O X
"B**"	2003AAB	10250T51	1 N.C.	B	X O	O X O	X X O	X O O	O X X	X O O
"E*"	2003AGB	10250T71	1 N.C.L.B	B	X O	O X O	X X O	X O O	O X X	X X O
"C**"	2003ACB	10250T1	1 N.O. 1 N.C.	A B	O X X O	O O X O X O	X O O X X O	O X O X O O	X X O O X X	O X O X O O
"D**"	(2) 2003ACB	(2) 10250T1	2 N.O. 2 N.C.	A B	O X X O	O O X O X O	X O O X X O	O X O X O O	X X O O X X	O X O X O O
"J**"	(3) 2003ACB	(3) 10250T1	3 N.O. 3 N.C.	A B	O X X O	O O X O X O	X O O X X O	O X O X O O	X X O O X X	O X O X O O
"K**"	(4) 2003ACB	(4) 10250T1	4 N.O. 4 N.C.	A B	O X X O	O O X O X O	X O O X X O	O X O X O O	X X O O X X	O X O X O O
"L**"	2003AJB	10250T47	1 L.O.N.C. 1 E.C.N.O.	A B	X O O X	X X O X O X	X O O X X O	O X O X O O	X X O O X X	O X O X O O
"M**"	2003AKB	10250T57	1 N.O. 1 E.C.N.O.	A B	O X O X	O O X X O X	X O O O O X	O X O O X X	X X O X O O	O X O O X X
"N**"	2003ALB	10250T55	1 E.C.N.O. 1 L.O.N.C.	A B	O X X O	O O X O X O	X O O X X O	O X O X O O	X X O O X X	X X O X X O

Note: Please consult our Engineering Department for assistance with the interpretation of this chart