



FACTORY SEALED CONTROLS - INTRODUCTION



Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)



Certified File 2493125

Contact Factory for other certification details

FEATURES-SPECIFICATIONS

SEAL-XM™

Applications

Seal-XM™ Factory Sealed push button stations, selector switches, pilot lights and tumbler switches are used to prevent the igniting of external hazardous atmospheres by the enclosed arcing devices in such areas as:

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features

- Incorporates Factory Sealed Universal contact blocks and GOB3 LED pilot light devices
- External sealing fittings typically not required, reducing installation time and cost
- No seal plate between the electrical device and back box allows direct wiring to contact terminals
- Nema 3 weatherproof
- Grounding boss supplied in the splice box
- Sold as complete units 1/2", 3/4" Dead End and thru feed. 1" hubs available on request
- Standard finish is a grey epoxy powder baked on for ultimate corrosion resistance
- More wiring room in back box

Material & Groups

FXCS-*-M Groups C, D Copper free aluminum cover & box
FXCS-*-MB Groups B, C, D Copper free aluminum cover & box
FXCS-*-MBI Groups B, C, D Copper free aluminum cover & ductile iron back box zinc electroplated
FXCS-*-MI Groups C, D Copper free aluminum cover & ductile iron back box zinc electroplated

Stainless steel captive cover screws

Operating shafts stainless steel

* Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fitting required beyond 60"



D2CU
Factory Sealed
Contact Block

CONTACT BLOCK CAT. NO. D2CU

USED ON:	DIAGRAM
FXCS-*-M FXCS-*-MB FXCS-*-MBI FXCS-*-MI	

Hazardous Rating:

Class I, Division 2, Groups A,B,C,D Class I, Zone 2, Groups IIB+H2, IIA, T6

Terminal Capacity:

22 thru 12 AWG [0.52-2.5mm²] copper, solid or stranded conductors. Tightening torque: 7 in.-lbs. (tolerance +3.0/0.0) [-0.8Nm]

Contact Electrical Ratings:

NEMA A600- 7200 VA (Make), 720 VA (Break),
 10 Amps Cont. @600V AC (Thermal)
 NEMA Q300-69 VA (Make & Break),
 2.5 Amps Cont. @250V DC (Thermal)



Single Push Button



Double Push Button



LED Pilot Light



LED Pilot Light &
Push Button



Push-Pull Mushroom



Selector Switch



FACTORY SEALED CONTROLS - ORDERING INFORMATION 3



Two Position Selector Switch



Three Position Selector Switch

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FEATURES-SPECIFICATIONS

SEAL-XM TWO POSITION SELECTOR SWITCH - MAINTAINED CONTACT				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER①				
DEAD-END	FEED-THRU			
FXCS-1S2A1-M	FXCS-4S2A1-M	1/2"		
FXCS-2S2A1-M	FXCS-5S2A1-M	3/4"		
FXCS-1S2A5-M	FXCS-4S2A5-M	1/2"		
FXCS-2S2A5-M	FXCS-5S2A5-M	3/4"		

SEAL-XM THREE POSITION SELECTOR SWITCH - MAINTAINED CONTACT					
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION
BOX & COVER①					
DEAD-END	FEED-THRU				
FXCS-1S3C4-M	FXCS-4S3C4-M	1/2"			
FXCS-2S3C4-M	FXCS-5S3C4-M	3/4"			
FXCS-1S3C5-M	FXCS-4S3C5-M	1/2"			
FXCS-2S3C5-M	FXCS-5S3C5-M	3/4"			

SEAL-XM TWO POSITION SELECTOR SWITCH - SPRING RETURN				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER①				
DEAD-END	FEED-THRU			
FXCS-1S2L3F-M	FXCS-4S2L3F-M	1/2"		
FXCS-2S2L3F-M	FXCS-5S2L3F-M	3/4"		
SELECTOR SWITCH OPERATION - SPRING RETURN TO LEFT FROM RIGHT - MAINTAINED IN LEFT.				

SEAL-XM THREE POSITION SELECTOR SWITCH - SPRING RETURN							
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION		
BOX & COVER①							
DEAD-END	FEED-THRU						
FXCS-1S3M6G-M	FXCS-4S3M6G-M	1/2"					
FXCS-2S3M6G-M	FXCS-5S3M6G-M	3/4"					
SPRING RETURN TO CENTER FROM LEFT AND RIGHT - MAINTAINED CENTER							
FXCS-1S3L6G-M	FXCS-4S3L6G-M	1/2"					
FXCS-2S3L6G-M	FXCS-5S3L6G-M	3/4"					
SPRING RETURN TO CENTER FROM RIGHT - MAINTAINED CENTER AND LEFT							
FXCS-1S3R6G-M	FXCS-4S3R6G-M	1/2"					
FXCS-2S3R6G-M	FXCS-5S3R6G-M	3/4"					
SPRING RETURN TO CENTER FROM LEFT - MAINTAINED CENTER AND RIGHT							

① Replace -M with -MB for Group "B" Rating, -MI for Iron Back Box, -MBI for Group "B" and Iron Back Box.

* Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fittings required beyond 60".

For other than standard marking, see page C59 and order separately or as modified products.

STANDARD NAMEPLATE MARKINGS — 2 Positions — BLANK & OFF-ON — 3 Position — BLANK or HAND-OFF-AUTO