### FSQC Arktite® Dead Front Interlocked Receptacles and Switches

Cl. I, Div. 1 and 2, Groups B, C, D Cl. II, Div. 1 and 2, Groups F, G Cl. III NEMA/EEMAC 3, 7BCD, 9FG, 12 Explosionproof
Dust-Ignitionproof
Raintight
Wet Locations

**APJ/NPJ Arktite Plugs** 

#### **Applications:**

FSQC dead front switched interlock receptacles are used:

- To supply power to portable electrical equipment such as hand lamps, lighting systems, power tools, conveyors, welders and similar equipment.
- In areas which are hazardous due to the presence of flammable vapors or gases and combustible dusts.
- In damp, wet or corrosive locations.
- Indoors or outdoors at petroleum refineries, chemical and petrochemical plants and facilities for processing and handling grain, flour and starch.

#### Features:

- Compatible with Arktite® APJ aluminum and NPJ Krydon® plugs
- Switch cannot be turned "ON" until plug is fully inserted and rotated
- Plug cannot be withdrawn under load
- Cover cannot be removed when switch is "ON"
- · Satisfies OSHA lockout tagout requirement
- Smallest mounting footprint for interlocks

## Certifications and Compliances:

- NEMA 3, 7BCD, 9FG, 12
- NEC/CEC:

Class I, Division 1 & 2, Groups B, C, D Class I, Zone 1, Group IIB + Hydrogen Class II, Division 1 & 2, Groups F, G Class III

- ANSI/UL Standards: 1010 UL Listed
- CSA Standards: C22.2 No. 30 cUL Listed & C22.2 No. 159

#### **Materials:**

- Enclosure copper-free aluminum
- Cover and spring door copper-free aluminum
- Insulator Krydon®
- Contacts brass



#### **Options:**

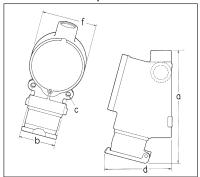
Description	Suffix
Special polarity, receptacle	
interior rotated 2211/2°	S4

# Interchangeability of Plugs with Other Hazardous and Non-hazardous Location Receptacles:

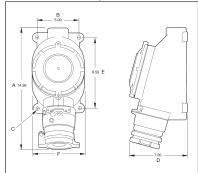
- Plugs listed for FSQC receptacles on 1043 are standard APJ/NPJ plugs. Other standard APJ/NPJ of the same rating, style and number of poles may be used with FSQC receptacles as well as with DBR, EBBR, EPC and EPCB receptacles listed in Section 2P and 4P.
- As a result, portable equipment suitable for the location and equipped with the proper plug can be used with AR series receptacles for non-hazardous areas, EBBR, EPC, EPCB, and FSQC receptacles for Class I hazardous locations; DBR receptacles for Class II hazardous locations.

## Dimensions In Inches:

30 Amp FSQC



#### 60 Amp FSQC



#### **Dimensions**

	Maximum Dimensions						
	а	b	С	d	е	f	
30A	10.00	3.12	Ø .38	5.75	N/A	4.75	_
60A	14.56	5.00	Ø .41	7.00	8.50	6.35	

**4**P

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## **FSQC Receptacles**With Spring Door Through Feed Hubs

#### **Horsepower Rating:**

	Single Phase				
Amps	120V	240V	480V	600V	
30A	2	5	71/2	71/2	
60A	_	10	25	30	
	Three Phase				
	I.	Throo	Dhaco		
Amns	120V			600V	
Amps	120V	240V	Phase 480V	600 <b>V</b>	
Amps 30A	<b>120V</b>			<b>600V</b>	



#### **Ordering Information:**

Amps	Hub	Config.	Description	Cat. #	Matching Plug
	3/4"	2W3P	2-Pole Switch	FSQC2320	APJ3385
20.4	74	3W4P	3-Pole Switch	FSQC2430	APJ3485
30A	4.11	2W3P	2-Pole Switch	FSQC3320	APJ3385
	I	3W4P	3-Pole Switch	FSQC3430	APJ3485
604	<b>60A</b> 1½"	2W3P	2-Pole Switch	FSQC5630	APJ6385
OUA		3W4P	3-Pole Switch	FSQC5640	APJ6485

#### **FSQC** for Use with Magnetic Motor Starters or Contactors

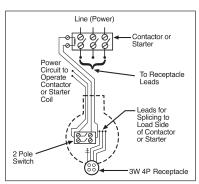
FSQC units listed below operate in the same way as standard units but are intended *only for* use with magnetic motor starters or contactors (see Wiring Diagram 1).

Receptacles have leads for splicing to conductors from the load side of contactor. The switch actuated by the plug is wired into the starter or contactor coil circuit and controls only this circuit. The starter or contactor is energized only when the plug is fully inserted and rotated to close the switch. Since the plug is inserted or withdrawn only when the switch is open, the circuit cannot be made or broken under the load.

Plugs used are standard APJ units and special polarity units listed are recommended where interchange with devices for other wiring systems is possible.

# FSQC Receptacles With Spring Door Through Feed Hubs

	No. of Poles	Hub Size	Receptacle Cat. #	Cable Dia.	Mating Plug Cat. #
Standard Configuration					
	3W, 4P	3/4	FSQC2390	0.39-1.20	APJ3485
	3W, 4P	1	FSQC3390	0.55-0.70	NPJ3483
	3W, 4P	1		<b>J</b> 0.70-0.85	NPJ3484
Special Polarity Configuration					
	3W, 4P	3/4	FSQC2390 S4	0.39-1.20	APJ3485 S4
	3W, 4P	1	FSQC3390 S4	0.55-0.70	NPJ3483 S4
	,			0.70-0.85	NPJ3484 S4



Wiring Diagram 1 FSQC2390 and 3390 only

NEMA 4 Watertight

Explosionproof

#### **Applications:**

- To supply power to portable or fixed electrical equipment such as welders, pumps, motors, machine tools, conveyors, oil rigs, mixers, grain elevators, petroleum refineries, chemical and petrochemical plants
- In hazardous areas containing flammable vapors or gases and combustible dusts
- In damp, wet or hosedown environments
- In highly corrosive locations

#### **Features:**

- NEMA Type 4 watertight
- · Suitable for Group B
- · Compact housing
- Simple operation
- Compatible with Arktite® APJ aluminium and NPJ Krydon® plugs
- · H.P.-rated enclosed switch
- 4 mounting feet can be rotated for flexibility in positioning to surface
- Wiring channel provided under switch for easy wire routing to terminals
- Dual bottom-feed hubs and one top hub for convenient feed-through installation
- Break-loose fork lugs case in place for easy removal of cover

## Certifications and Compliances:

- NEMA 3, 3R, 4, 4X\*, 7BCD, 12
   Class I, Divisions 1 and 2, Groups B, C, D
   Class I, Zone 1, Group IIB + H<sub>2</sub>
   Class II, Divisions 1 and 2, Groups F, G
   Class III
- ANSI/UL Standards: 1010 and 98 UL Listed
- cUL Listed, CSA Standard C22.2 No. 30, C22.2 No. 159

\*NEMA 4X when ordered with suffix S752.

#### **Materials:**

- Body copper-free aluminum
- Cover copper-free aluminum
- Locking collar Feraloy® iron alloy
- Insulator Krydon® material
- Contacts brass

#### **Options:**

#### Description Suffix

- Special polarity receptacle interior rotated 22½° to right..........**S4** (example: FSQC61040 S4)
- NEMA 4X epoxy powder coated S752 (example: FSQC61040 S752)

#### **Safety First:**

- Power cannot be turned "on" until plug is fully inserted and Uni-Loc collar is rotated
- When Uni-Loc collar is in "on" position, plug is locked in place to prevent disengagement under load
- Cover cannot be removed while switch is "on"
- Cover-Loc™ design prevents switch from being turned "on" while cover is removed
- Uni-Loc collar aligns with lug on housing to permit OSHA lockout/tagout in the "off" position

#### **Electrical Rating:**

• 100A, 600VAC

#### **Ordering Information:**

Hub HP

Rating Config. Size Rating Cat. #

### Dimensions In Inches:

