FSQC Arktite® Dead Front Interlocked Receptacles and Switches

APJ/NPJ Arktite Plugs

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

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- Plug cannot be withdrawn under load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
  Special polarity, receptacle interior rotated 22½° .......................... 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:

<table>
<thead>
<tr>
<th>30 Amp FSQC</th>
<th>60 Amp FSQC</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>10.00</td>
</tr>
<tr>
<td>b</td>
<td>3.12</td>
</tr>
<tr>
<td>c</td>
<td>0.38</td>
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<tr>
<td>d</td>
<td>5.75</td>
</tr>
<tr>
<td>e</td>
<td>4.75</td>
</tr>
<tr>
<td>f</td>
<td>4.75</td>
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</table>
### FSQC Receptacles

**With Spring Door Through Feed Hubs**

**Horsepower Rating:**

<table>
<thead>
<tr>
<th>Amps</th>
<th>120V</th>
<th>240V</th>
<th>480V</th>
<th>600V</th>
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</thead>
<tbody>
<tr>
<td>30A</td>
<td>2</td>
<td>5</td>
<td>7/6</td>
<td>7/6</td>
</tr>
<tr>
<td>60A</td>
<td></td>
<td>10</td>
<td>25</td>
<td>30</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Amps</th>
<th>120V</th>
<th>240V</th>
<th>480V</th>
<th>600V</th>
</tr>
</thead>
<tbody>
<tr>
<td>30A</td>
<td>1</td>
<td>7/6</td>
<td>15</td>
<td>15</td>
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<tr>
<td>60A</td>
<td></td>
<td>10</td>
<td>25</td>
<td>30</td>
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**Ordering Information:**

<table>
<thead>
<tr>
<th>Amps</th>
<th>Hub</th>
<th>Config.</th>
<th>Description</th>
<th>Cat. #</th>
<th>Matching Plug</th>
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</thead>
<tbody>
<tr>
<td>30A</td>
<td>¾&quot;</td>
<td>2W3P</td>
<td>2-Pole Switch</td>
<td>FSQC2320</td>
<td>APJ3385</td>
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<tr>
<td></td>
<td>3W4P</td>
<td>3-Pole Switch</td>
<td>FSQC3320</td>
<td>APJ3485</td>
<td></td>
</tr>
<tr>
<td>60A</td>
<td>1&quot;</td>
<td>2W3P</td>
<td>2-Pole Switch</td>
<td>FSQC3320</td>
<td>APJ3385</td>
</tr>
<tr>
<td></td>
<td>3W4P</td>
<td>3-Pole Switch</td>
<td>FSQC3430</td>
<td>APJ3485</td>
<td></td>
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<tr>
<td></td>
<td>1 ½&quot;</td>
<td>2W3P</td>
<td>2-Pole Switch</td>
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<td>APJ6385</td>
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<td>3W4P</td>
<td>3-Pole Switch</td>
<td>FSQC5640</td>
<td>APJ6485</td>
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</table>

### 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**

<table>
<thead>
<tr>
<th>No. of Poles</th>
<th>Hub Size</th>
<th>Receptacle Cat. #</th>
<th>Cable Dia.</th>
<th>Mating Plug Cat. #</th>
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<tbody>
<tr>
<td>Standard Configuration</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3W, 4P</td>
<td>¾&quot;</td>
<td>FSQC2390</td>
<td>0.39-1.20</td>
<td>APJ3485</td>
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<tr>
<td>3W, 4P</td>
<td>1</td>
<td>FSQC2390</td>
<td>0.55-0.70</td>
<td>NPJ3483</td>
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<tr>
<td>3W, 4P</td>
<td>1</td>
<td>FSQC2390</td>
<td>0.70-0.85</td>
<td>NPJ3484</td>
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<tr>
<td>Special Polarity Configuration</td>
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<td></td>
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<tr>
<td>3W, 4P</td>
<td>¾&quot;</td>
<td>FSQC2390 S4</td>
<td>0.39-1.20</td>
<td>APJ3485 S4</td>
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<td>1</td>
<td>FSQC2390 S4</td>
<td>0.55-0.70</td>
<td>NPJ3483 S4</td>
</tr>
</tbody>
</table>

**Wiring Diagram 1**

FSQC2390 and 3390 only
4P 100 Amp FSQ Dead Front Interlocked

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 + H2
  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

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

Options:
- Special polarity – receptacle interior rotated 22½° to right........S4
- NEMA 4X – epoxy powder coatedS752
- Auxiliary contact..........................S483
- Breather/Drain...............................S756V

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:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Config.</th>
<th>Hub</th>
<th>HP</th>
<th>Rating</th>
<th>Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>100A, 600VAC</td>
<td>3W4P</td>
<td>2</td>
<td>50 HP</td>
<td>@ 600V, FSQC61040</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions

In Inches: