

2A ER4 industrial disconnect switches

UL/cULus Listed
NEMA 4X (enclosure)

ER4 industrial disconnect switches provide a robust UL98 rated design to withstand long-term corrosive and harsh environments.

The complete line includes both fused and non-fused rotary disconnect switches from 30A to 800A, providing flexibility and convenience for point-of-use configuration.

Applications:

- Built to serve as a main disconnect or provide branch circuit protection in a variety of applications in heavy industrial environments

Features:

- UL98 Listed for general purpose, main disconnect or branch circuit protection up to 600 VAC/DC
- Multiple field installed accessories enhance the enclosed disconnect switches to fit the desired application
- Lockout/tagout – up to three ¼" padlocks can be installed on external handles for added safety

Certifications and compliances:

- UL98 Listed – File No. E182262, Guide WIAX, WIAX7
- cULus Listed to CSA Standard 22.2, No. 14
- cULus Listed to CSA Standard 22.2, No. 4
- Conforms with IEC 60947-3
- CE compliant
- RoHS compliant
- NEMA 4X (enclosure)
- Non-metallic enclosure flammability rating – polycarbonate: UL 94-5VA-0; fiberglass: UL 94-5V



Electrical ratings:

- Voltage – 600 VAC; 250-600 VDC
- Amperage – 16A-800A
- Short circuit current ratings – UL98: 35kA-200kA; UL508: 10kA-65kA
- Operating temperature – -20°C to +70°C

Ordering information:

Part number example
ER4X-60J3PB



Fused disconnects:

| Amperage | Fuse type | Enclosure type | |
|----------|-----------|----------------|---------------------|
| | | 4X plastic | 304 stainless steel |
| 30 | J | ER4P-30J3PB | ER4X-30J3PB |
| 60 | J | ER4P-60J3PB | ER4X-60J3PB |
| 100 | J | ER4P-100J3PB | ER4X-100J3PB |
| 200 | J | ER4P-200J3PB | ER4X-200J3PB |
| 400 | J | ER4P-400J3PB | ER4X-400J3PB |
| 600 | J | ER4P-600J3PB | ER4X-600J3PB |
| 800 | L | ER4P-800L3PB | ER4X-800L3PB |

All catalog numbers provided with integral or installed lugs and black selector handle.

Non-fused disconnects:

| Amperage | Enclosure type | |
|----------|----------------|---------------------|
| | 4X plastic | 304 stainless steel |
| 30 | ER4P-30N3PB | ER4X-30N3PB |
| 60 | ER4P-60N3PB | ER4X-60N3PB |
| 100 | ER4P-100N3PB | ER4X-100N3PB |
| 200 | ER4P-200N3PB | ER4X-200N3PB |
| 400 | ER4P-400N3PB | ER4X-400N3PB |
| 600 | ER4P-600N3PB | ER4X-600N3PB |
| 800 | ER4P-800N3PB | ER4X-800N3PB |

All catalog numbers provided with integral or installed lugs and black selector handle.

Accessories (ordered separately):

| Cat. # | Description |
|------------------------|--|
| BAC05 ^B | Aux. contact, (1) NO type, 10A, 600 VAC |
| BAC06 ^B | Aux. contact, (1) NC type, 10A, 600 VAC |
| TSH8-3TB ^C | Terminal shroud, 200A switch rating, 3-pole |
| TSH9-3TB ^C | Terminal shroud, 400A switch rating, 3-pole |
| TSH10-3TB ^C | Terminal shroud, 600A-800A switch rating, 3-pole |

^A Class L fuses for 800A disconnect switch only.

^B For 30A-800A switches: maximum number of contacts per switch: (4) 30A to 200A; (8) 400A to 800A.

^C For 200A-800A switches: includes terminal shroud for line side or load side.

^D Two units per switch maximum.

^E For one auxiliary contact, install either BAC03 or BAC11. For two auxiliary contacts, install BAC03 + BAC04, or BAC11 + BAC12.

Accessories (ordered separately):

| Cat. # | Description |
|--------------------|--|
| BAC01 ^D | Aux. contact, 30A-100A, (1) NO type, (1) NC type, 10A, 240 VAC |
| BAC02 ^D | Aux. contact, 30A-100A, (2) NO type, 10A, 240 VAC |
| BAC03 ^E | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC |
| BAC04 ^E | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC |
| BAC11 ^E | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 1A, 125 VAC |
| BAC12 ^E | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 1A, 125 VAC |
| TSH3-3TB | Terminal shroud, 30A-100A switch rating, line side and load side, 3-pole |
| TSH4-3T | Terminal shroud, 200A switch rating, line side, 3-pole |
| TSH4-3B | Terminal shroud, 200A switch rating, load side, 3-pole |
| TSH5-3T | Terminal shroud, 400A switch rating, line side, 3-pole |
| TSH5-3B | Terminal shroud, 400A switch rating, load side, 3-pole |
| TSH6-3B | Terminal shroud, 600A switch rating, line side or load side, 3-pole |
| TSH7-3TB | Terminal shroud, 800A switch rating, line side or load side, 3-pole |

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Dimensions (in inches):



Fused – stainless steel:

| Amperage | H x W x D (in.) | Mounting H x W (in.) | | Weight (lbs.) |
|----------|-----------------|----------------------|-------------|---------------|
| | | A | B | |
| 30 | 10 x 10 x 6 | 10.7 x 8.3 | 8.3 x 10.7 | 15 |
| 60 | 12 x 10 x 6 | 12.7 x 8.3 | 8.3 x 10.7 | 19 |
| 100 | 14 x 12 x 6 | 14.7 x 10.3 | 12.3 x 12.7 | 21 |
| 200 | 24 x 20 x 8 | 24.7 x 18.3 | 22.3 x 20.7 | 55 |
| 400 | 48 x 36 x 12 | 48.7 x 34.3 | 46.3 x 36.7 | 188 |
| 600 | 48 x 36 x 12 | 48.7 x 34.3 | 46.3 x 36.7 | 216 |
| 800 | 48 x 36 x 12 | 48.7 x 34.3 | 46.3 x 36.7 | 216 |

Non-fused – stainless steel:

| Amperage | H x W x D (in.) | Mounting H x W (in.) | | Weight (lbs.) |
|----------|-----------------|----------------------|-------------|---------------|
| | | A | B | |
| 30 | 10 x 8 x 6 | 10.7 x 6.3 | 8.3 x 8.7 | 11 |
| 60 | 10 x 8 x 6 | 10.7 x 6.3 | 8.3 x 8.7 | 12 |
| 100 | 12 x 10 x 6 | 12.7 x 8.3 | 8.3 x 10.7 | 12 |
| 200 | 20 x 16 x 8 | 20.7 x 14.3 | 18.3 x 16.7 | 39 |
| 400 | 36 x 30 x 8 | 36.7 x 28.3 | 34.3 x 30.7 | 122 |
| 600 | 48 x 36 x 12 | 48.7 x 34.3 | 46.3 x 36.7 | 209 |
| 800 | 48 x 36 x 12 | 48.7 x 34.3 | 46.3 x 36.7 | 211 |

Fused – polycarbonate or fiberglass:

| Amperage | H x W x D (in.) | Mounting H x W (in.) | | Weight (lbs.) |
|----------|-----------------|----------------------|------------|---------------|
| | | A | B | |
| 30 | 12 x 10 x 6 | 12.0 x 5.6 | 7.6 x 10.0 | 8 |
| 60 | 13 x 13 x 6 | 14.0 x 7.6 | 9.6 x 12.0 | 11 |
| 100 | 13 x 13 x 6 | 14.0 x 7.6 | 9.6 x 12.0 | 12 |
| 200 | 27 x 21 x 10 | 25.75 x 14.0 | – | 39 |
| 400 | 51 x 37 x 14 | 50.0 x 28.5 | – | 186 |
| 600 | 51 x 37 x 14 | 50.0 x 28.5 | – | 214 |
| 800 | 51 x 37 x 14 | 50.0 x 28.5 | – | 214 |

Non-fused – polycarbonate or fiberglass:

| Amperage | H x W x D (in.) | Mounting H x W (in.) | | Weight (lbs.) |
|----------|-----------------|----------------------|------------|---------------|
| | | A | B | |
| 30 | 9 x 9 x 6 | 10.0 x 3.6 | 5.6 x 8.0 | 5 |
| 60 | 9 x 9 x 6 | 10.0 x 3.6 | 5.6 x 8.0 | 5 |
| 100 | 13 x 13 x 6 | 14.0 x 7.6 | 9.6 x 12.0 | 8 |
| 200 | 20 x 17 x 12 | 21.5 x 10.1 | – | 31 |
| 400 | 37 x 32 x 14 | 38.0 x 28.9 | – | 103 |
| 600 | 51 x 37 x 14 | 50.0 x 28.5 | – | 187 |
| 800 | 51 x 37 x 14 | 50.0 x 28.5 | – | 189 |

Enclosures ≤100A are polycarbonate; flammability rating: UL 94-5VA-VO.

Enclosures ≥200A are fiberglass; flammability rating: UL 94-5V.

Enclosures ≤100A are polycarbonate; flammability rating: UL 94-5VA-VO.

Enclosures ≥200A are fiberglass; flammability rating: UL 94-5V.

Switch ratings:

| Fused | | Voltage | | | | | |
|--------------|------------------------|--------------|-----------|---------|-----|---------------------------|-----------------|
| No. of poles | Switch amperage rating | Disc. switch | Fuse type | Voltage | | Max. HP rating at 600 VAC | SSCR at 600 VAC |
| | | | | VAC | VDC | | |
| 3 | 30 | RDF30J-3 | J | 600 | 250 | 20 | 200kA |
| | 60 | RDF60J-3 | J | 600 | 250 | 50 | |
| | 100 | RDF100J-3 | J | 600 | 250 | 75 | |
| | 200 | RDF200J-3 | J | 600 | N/A | 150 | |
| | 400 | RDF400J-3 | J | 600 | 250 | 350 | |
| | 600 | RDF600J-3 | J | 600 | 600 | 500 | |
| | 800 | RDF800L-3 | L | 600 | 600 | 500 | |

| Non-fused | | | | | |
|--------------|------------------------|--------------|-----|---------------------------|-----------------------|
| No. of poles | Switch amperage rating | Disc. switch | VAC | Max. HP rating at 600 VAC | SSCR at 600 VAC |
| 3 | 30 | RD30-3 | 600 | 25 | 100kA |
| | 60 | RD60-3 | 600 | 50 | 100kA |
| | 100 | RD100-3 | 600 | 50 | 25/100kA ^F |
| | 200 | RD200-3 | 600 | 200 | 200kA |
| | 400 | RD400-3 | 600 | 350 | 200kA |
| | 600 | RD600-3 | 600 | 350 | 200kA |
| | 800 | RD800-3 | 600 | 500 | 100kA |

^F25kA at 600 VAC; 100kA at 480 VAC.