

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

# ER4 industrial disconnect switches

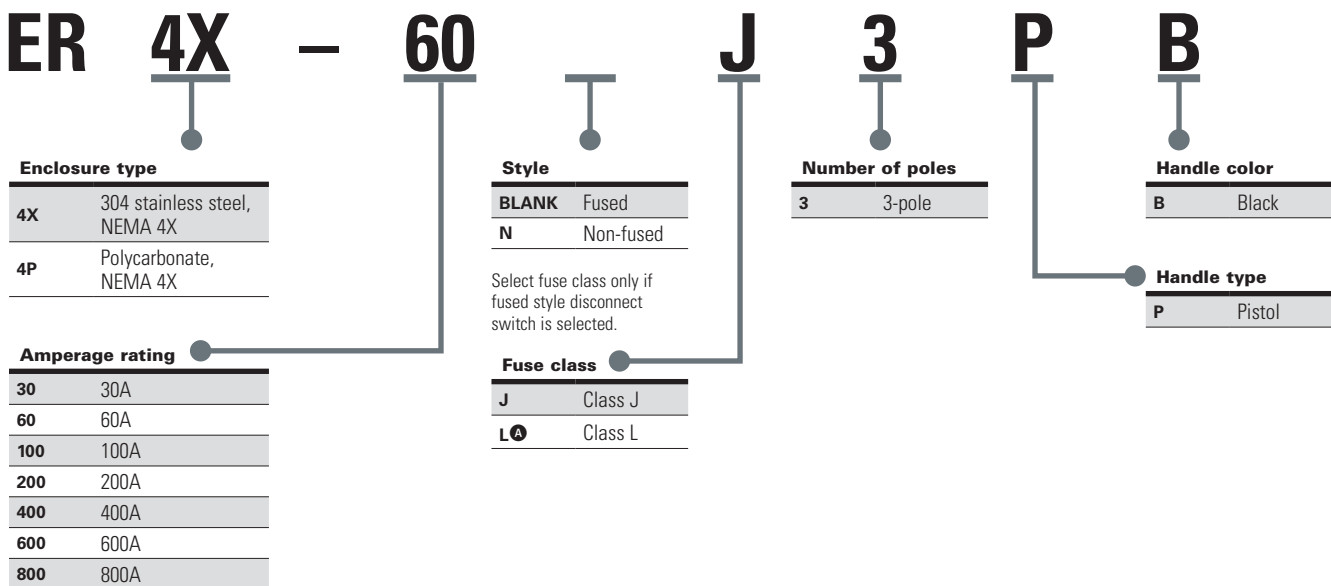
UL/cULus Listed  
NEMA 4X (enclosure)

2A

## 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.

## Accessories (ordered separately):

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

<sup>A</sup> Class L fuses for 800A disconnect switch only.

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

<sup>C</sup> For 200A-800A switches: includes terminal shroud for line side or load side.

<sup>D</sup> Two units per switch maximum.

<sup>E</sup> For one auxiliary contact, install either BAC03 or BAC11. For two auxiliary contacts, install BAC03 + BAC04, or BAC11 + BAC12.

## Non-fused disconnects:

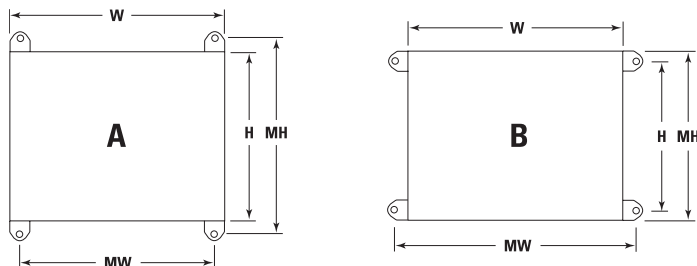
| Amperage | Enclosure type |                     |
|----------|----------------|---------------------|
|          | 4X plastic     | 304 stainless steel |
| 30       | ER4P-30N3PB    | ER4X-30N3PB         |
| 60       | ER4P-60N3PB    | ER4X-60N3PB         |
| 100      | ER4P-100N3PB   | ER4X-100N3PB        |
| 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                                                              |
|--------------------|--------------------------------------------------------------------------|
| BAC01 <sup>D</sup> | Aux. contact, 30A-100A, (1) NO type, (1) NC type, 10A, 240 VAC           |
| BAC02 <sup>D</sup> | Aux. contact, 30A-100A, (2) NO type, 10A, 240 VAC                        |
| BAC03 <sup>E</sup> | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC    |
| BAC04 <sup>E</sup> | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC    |
| BAC11 <sup>E</sup> | Aux. contact, 220A-800A, (1) NO type, (1) NC type, 1A, 125 VAC           |
| BAC12 <sup>E</sup> | 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      |

## 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           |

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

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

## 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.

## Switch ratings:

| Fused        |                        |              |           |         |     |                           |                 |
|--------------|------------------------|--------------|-----------|---------|-----|---------------------------|-----------------|
| 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 <sup>Ⓕ</sup> |
|              | 200                    | RD200-3      | 600 | 200                       | 200kA                 |
|              | 400                    | RD400-3      | 600 | 350                       | 200kA                 |
|              | 600                    | RD600-3      | 600 | 350                       | 200kA                 |
|              | 800                    | RD800-3      | 600 | 500                       | 100kA                 |

<sup>Ⓕ</sup> 25kA at 600 VAC; 100kA at 480 VAC.

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