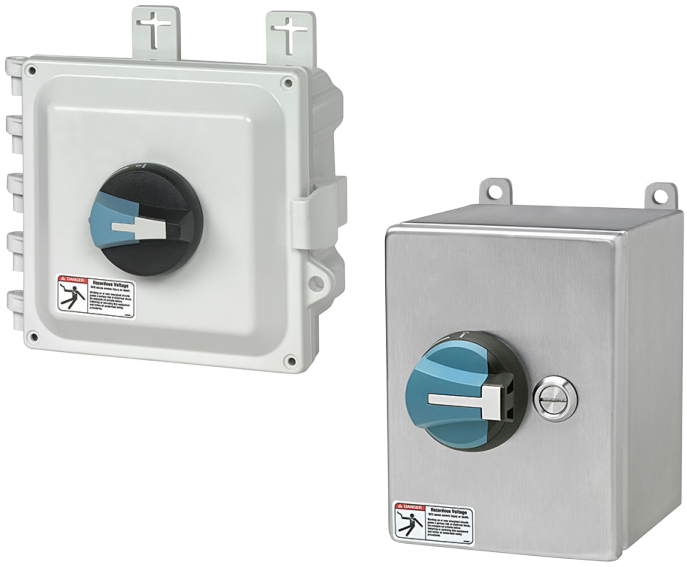
# ER4 industrial disconnect switches

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

 Copyright© 2016 Eaton

## Ordering information:

**Part number example**
**ER4X-60J3PB**

**ER 4X – 60 J 3 P B**

**Enclosure type**

| | |
|---|---|
| **4X** | 304 stainless steel, NEMA 4X |
| **4P** | Polycarbonate, NEMA 4X |

**Amperage rating**

| | |
|---|---|
| **30** | 30A |
| **60** | 60A |
| **100** | 100A |
| **200** | 200A |
| **400** | 400A |
| **600** | 600A |
| **800** | 800A |

**Style**

| | |
|---|---|
| **BLANK** | Fused |
| **N** | Non-fused |

Select fuse class only if fused style disconnect switch is selected.

**Fuse class**

| | |
|---|---|
| **J** | Class J |
| **L**[A] | Class L |

**Number of poles**

| | |
|---|---|
| **3** | 3-pole |

**Handle color**

| | |
|---|---|
| **B** | Black |

**Handle type**

| | |
|---|---|
| **P** | Pistol |

## Fused disconnects:

| | | Enclosure type | |
|---|---|---|---|
| **Amperage** | **Fuse 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:

| | Enclosure type | |
|---|---|---|
| **Amperage** | **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 |

## 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 |

[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.

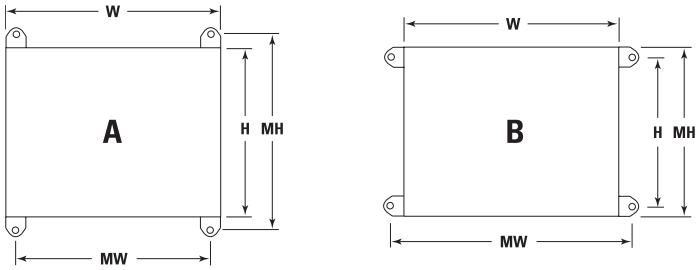


Copyright© 2016 Eaton

# ER4 industrial disconnect switches

UL/cULus Listed
NEMA 4X (enclosure)

## Dimensions (in inches):




## Fused – stainless steel:

| Amperage | H x W x D (in.) | Mounting H x W (in.) A | Mounting H x W (in.) B | Weight (lbs.) |
|---|---|---|---|---|
| 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.) A | Mounting H x W (in.) B | Weight (lbs.) |
|---|---|---|---|---|
| 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.) A | Mounting H x W (in.) B | Weight (lbs.) |
|---|---|---|---|---|
| 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.) A | Mounting H x W (in.) B | Weight (lbs.) |
|---|---|---|---|---|
| 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 VAC | Voltage VDC | Max. HP rating at 600 VAC | SSCR at 600 VAC |
|---|---|---|---|---|---|---|---|
| 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 |

[F] 25kA at 600 VAC; 100kA at 480 VAC.

 Copyright© 2016 Eaton

# OCEAN CHIPS
## Океан Электроники
## Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

**«JONHON»** (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

**«FORSTAR»** (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

Телефон: 8 (812) 309-75-97 (многоканальный)
Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А