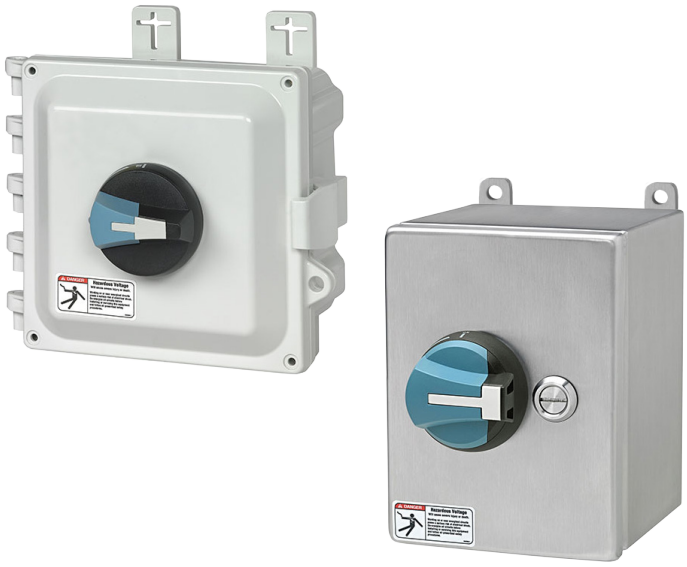
ER4 industrial disconnect switches

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

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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.

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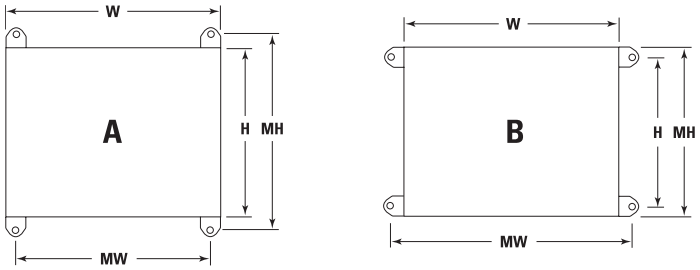
Dimensions (in inches):



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.

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- Подбор аналогов;
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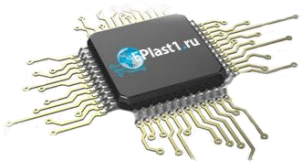

Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.