

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.

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.

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 ^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					Max. HP rating at 600 VAC	SSCR at 600 VAC
No. of poles	Switch amperage rating	Disc. switch	Fuse type	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.

Mouser Electronics

Authorized Distributor

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