



ER4 industrial disconnect switches

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:

ER4 disconnect switches are built to serve as a main disconnect or provide branch circuit protection in a variety of applications in heavy industrial environments.

Key features & benefits:

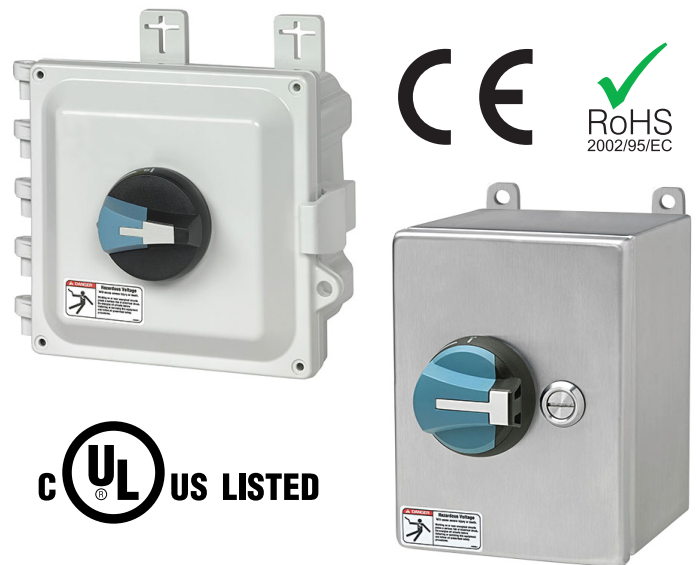
- UL98 Listed for general purpose, main disconnect or branch circuit protection up to 600 VAC/DC
- Multiple field installed accessories enhance the enclosed disconnect switches to fit the desired application
- Lockout/tagout – up to three 1/4" padlocks can be installed on external handles for added safety

Operating temperature:

- -20°C to +70°C

Electrical ratings:

- Voltage: 600 VAC; 250-600 VDC
- Amperage: 16A-800A
- Short circuit current ratings: UL98: 35kA-200kA; UL508: 10kA-65kA



Certifications:

- UL98 Listed: File E182262, Guide WIA7, WIA7
- 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

Ordering information

Part number example

ER4X-60J3PB

ER4 disconnect switch, 304 stainless steel NEMA 4X enclosure, 60 amp fused, Class J fuses, 3-pole, black pistol grip handle

ER

4X

—

60

J

3

P

B

Enclosure type	4X 304 stainless steel, NEMA 4X	4P Polycarbonate, NEMA 4X
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Amp rating	30 30 amps	60 60 amps	100 100 amps	200 200 amps	400 400 amps	600 600 amps	800 800 amps
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Style	BLANK Fused	N Non-fused
Select fuse class only if fused style disconnect switch is selected.		
Fuse class	J Class J	L* Class L

Number of poles	3 3-pole
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Handle color	B Black
Handle type	P Pistol

* Class L fuses for 800A disconnect switch only.

Fused disconnects

Part numbers

Amps	Fuse type	Enclosure type	
		4X plastic	304 stainless
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 part numbers provided with integral or installed lugs and black selector handle.

Accessories (ordered separately)	
BAC05*	Auxiliary contact, (1) NO type, 10A, 600 VAC
BAC06*	Auxiliary contact, (1) NC type, 10A, 600 VAC
TSH8-3TB‡	Terminal shroud, 200A switch rating, 3-pole
TSH9-3TB‡	Terminal shroud, 400A switch rating, 3-pole
TSH10-3TB‡	Terminal shroud, 600-800A switch rating, 3-pole

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

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

Non-fused disconnects

Part numbers

Amps	Enclosure type	
	4X plastic	304 stainless
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

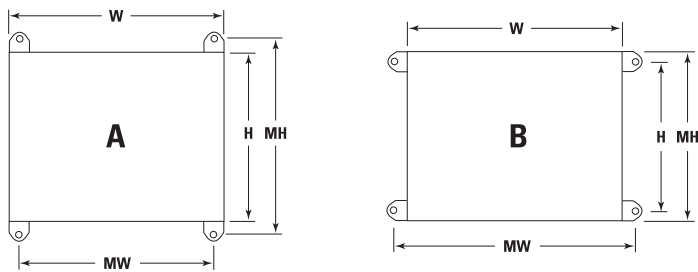
All part numbers provided with integral or installed lugs and black selector handle.

Accessories (ordered separately)	
BAC01*	Auxiliary contact, 30-100A, (1) NO type, (1) NC type, 10A, 240 VAC
BAC02*	Auxiliary contact, 30-100A, (2) NO type, 10A, 240 VAC
BAC03**	Auxiliary contact, 220-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC
BAC04**	Auxiliary contact, 220-800A, (1) NO type, (1) NC type, 10.1A, 125-250 VAC
BAC11**	Auxiliary contact, 220-800A, (1) NO type, (1) NC type, 1A, 125 VAC
BAC12**	Auxiliary contact, 220-800A, (1) NO type, (1) NC type, 1A, 125 VAC
TSH3-3TB	Terminal shroud, 30-100A 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

* Two (2) units per switch max.

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

Dimensions



Non-fused, stainless steel

Amps	HxWxD	Mounting HxW		Weight
		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

All dimensions in inches, all weights in lbs.

Non-fused, polycarbonate or fiberglass

Amps	HxWxD	Mounting HxW		Weight
		A	B	
30	9 x 9 x 6	10 x 3.6	5.6 x 8	5
60	9 x 9 x 6	10 x 3.6	5.6 x 8	5
100	13 x 13 x 6	14 x 7.6	9.6 x 12	8
200	20 x 17 x 12	21.5 x 10.1	—	31
400	37 x 32 x 14	38 x 28.9	—	103
600	51 x 37 x 14	50 x 28.5	—	187
800	51 x 37 x 14	50 x 28.5	—	189

All dimensions in inches, all weights in lbs.

Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0.

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

Fused, stainless steel

Amps	HxWxD	Mounting HxW		Weight
		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

All dimensions in inches, all weights in lbs.

Fused, polycarbonate or fiberglass

Amps	HxWxD	Mounting HxW		Weight
		A	B	
30	12 x 10 x 6	12 x 5.6	7.6 x 10	8
60	13 x 13 x 6	14 x 7.6	9.6 x 12	11
100	13 x 13 x 6	14 x 7.6	9.6 x 12	12
200	27 x 21 x 10	25.75 x 14	—	39
400	51 x 37 x 14	50 x 28.5	—	186
600	51 x 37 x 14	50 x 28.5	—	214
800	51 x 37 x 14	50 x 28.5	—	214

All dimensions in inches, all weights in lbs.

Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0.

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

Switch ratings

Non-fused switch ratings

No. of poles	Switch amp rating	Disconnect switch	VAC	Max HP rating @ 600 VAC	SCCR @ 600 VAC
3	30	RD30-3	600	25	100kA
	60	RD60-3	600	50	100kA
	100	RD100-3	600	50	25/100kA*
	200	RD200-3	600	200	200kA
	400	RD400-3	600	350	200kA
	600	RD600-3	600	350	200kA
	800	RD800-3	600	500	100kA

* 25kA at 600 VAC; 100kA at 480 VAC.

Fused switch ratings

No. of poles	Switch amp rating	Disconnect switch	Fuse Type	Voltage		Max HP rating @ 600 VAC	SCCR @ 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	

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