

Enclosed Circuit Breakers

Enclosure Types

General



Type 1 — A general indoor, sheet-steel enclosure for use in normal atmospheres. Listed as service entrance equipment.

Type 3R — An outdoor, sheet-steel enclosure providing protection against driving rain, sleet or snow. Listed as service entrance equipment.

Types 7, 9 — Cast aluminum enclosure classified for explosion and fire hazard.

Only enclosure for use in hazardous location. Class I; Group D–Class II; Groups E, F, and G–Class III.

Types 4, 4X (not shown) — Stainless steel indoor or outdoor enclosure designed for use in areas where serious corrosion problems exist. They provide a degree of protection against windblown dust, rain, splashing water and hose-directed water. Meets NEMA Type 3, 4,

4X, 12 and 13 requirements and UL 508 Type 4 and 4X requirements.

Types 5, 12 — A special-industry, sheet-steel enclosure for use in atmospheres containing particles of lint, dust, dirt, sawdust and other foreign matter.

Type 12K — A semi-dusttight sheet-steel enclosure. Listed as service entrance equipment.

Enclosed Circuit Breakers

Complete Assemblies—Molded Case Circuit Breakers

Selection

Siemens Enclosed Circuit Breaker Complete Assemblies consist of a thermal magnetic molded case circuit breaker frame, trip unit, enclosure and standard line and load pressure wire connectors — assembled and shipped as one unit from the Siemens modification center. For service equipment or applications

requiring a solid neutral, neutrals must be priced and ordered separately except as noted.

To order, select the appropriate prefix from the table below and place it in front of the desired non-interchangeable trip or interchangeable trip circuit breaker catalog

number. For circuit breaker selection, refer to SpeedFax Section 7.

Note: Lead times are determined based on availability of components. Items marked with ■ in this section may contain components that are not normally stocked.

Catalog Numbering

Prefix	Enclosure Type	Example:	Catalog number E1SJD63B400 consists of:
E1S	Type 1 Surface		(1) JD63F400 frame (1) JD63T400 trip unit (1) J6N1 enclosure (6) TA2J6500 wire connectors
E1F	Type 1 Flush		
E3R	Type 3R		
E12	Type 12		
E4X	Type 4X Stainless Steel		

Selection by Enclosure Type

Circuit Breaker			Complete Assembly				Lug Catalog Number (included)	Neutrals
Breaker Frame	Number of Poles	Ampere Rating	Type 1 Surface or Flush	Type 3R	Type 12	Type 4, 4X		Catalog Number
QJ2	2	60-225	✓	✓	—	—	TA1Q300	Included with enclosure
	3	60-225	✓	✓	—	—		
QJH2	2	60-225	✓	✓	—	—	TA1Q300	
	3	60-225	✓	✓	—	—		
QJ2-H	2	60-225	✓	✓	—	—	TA1Q300	
	3	60-225	✓	✓	—	—		
NGG	2, 3	15-30	✓	✓	✓	✓	3TC1Q1	N125GG included with enclosure
	2, 3	35-125	✓	✓	✓	✓	3TC1GG20	
ED2	2	15-60	✓	✓	✓	✓	15-25A SA1E025 30-60A Line LN1E100 Load LD1E060 70-100 LN1E100 110-125A TA1E6125	Catalog Number W53045 included with enclosure
	2	70-100	✓	✓	✓	✓		
ED4	3	15-60	✓	✓	✓	✓		
	3	70-100	✓	✓	✓	✓		
	3	110-125	✓	✓	✓	✓		
	2	15-60	✓	✓	✓	✓		
	2	70-100	✓	✓	✓	✓		
	2	110-125	✓	✓	✓	✓		
ED6	2	15-60	✓	✓	✓	✓		
	2	70-100	✓	✓	✓	✓		
	3	15-60	✓	✓	✓	✓		
	3	70-100	✓	✓	✓	✓		
	3	110-125	✓	✓	✓	✓		

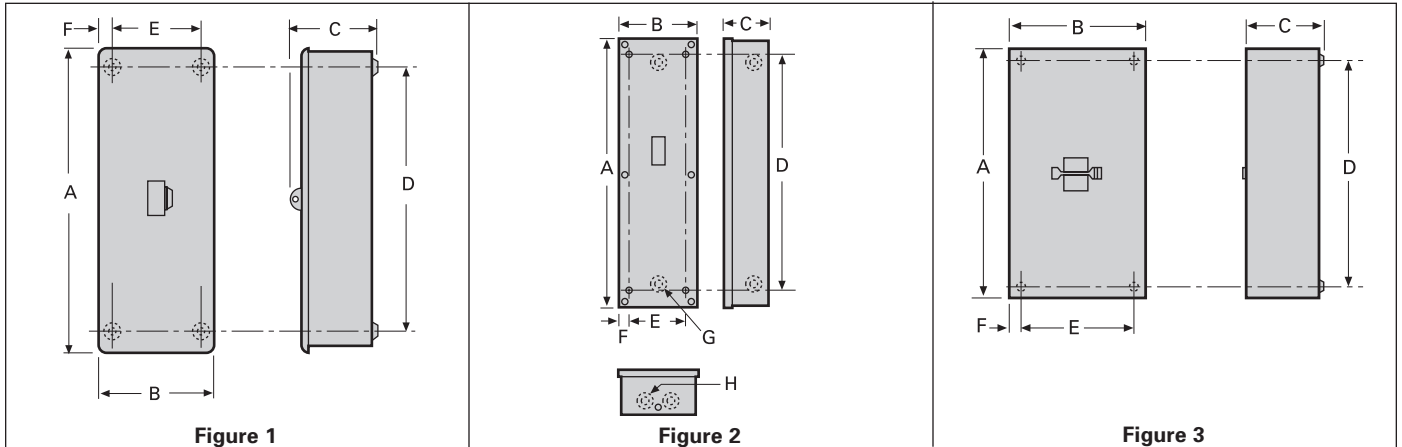
✓ Available configuration
— Not available

Enclosed Circuit Breakers

Enclosures — Type 1

Selection

Dimensions



Type 1

Fig. No.	Breaker Frame	Number of Poles	Maximum Current Rating	Catalog Number	Weight Lb./Ship. Package	Dimensions (inches)						K.O. Dimensions	
						A	B	C	D	E	F	G	H
1	QP, QPH, HQP	1-2	60	E0204ML1060S ^{①③④}	16	7 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{3}{4}$	5 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{16}$	—	—
1	QP, QPH, HQP	3	100	E0303ML3100S ^{①③④}	8	17 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{4}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{16}$	—	—
1	BQ, BQH, HBQ	3	100	EB3100S ^{③④}	32	17 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{4}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{16}$	—	—
1	NGG	2-3	125	GG0121FN/SN	12	20	8 $\frac{3}{4}$	4	16	6	1 $\frac{1}{16}$	—	—
2	ED2, ED4, ED6, HED4	2-3	100	E2N1S ^{③④} E2N1F ^{③④}	8 8	16 $\frac{23}{32}$ 17 $\frac{1}{2}$	7 $\frac{1}{2}$ 8 $\frac{1}{2}$	5 $\frac{1}{16}$ 5 $\frac{1}{16}$	13 $\frac{45}{64}$ 13 $\frac{45}{64}$	5 $\frac{1}{2}$ 5 $\frac{1}{2}$	1 1	$\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$	$\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$
2	ED4, ED6, HED4, CED6	2-3	125	CED6N1S ^{③④⑤} CED6N1F ^{③④⑤}	14 14	21 $\frac{15}{32}$ 22 $\frac{1}{4}$	7 $\frac{19}{32}$ 8 $\frac{1}{2}$	5 $\frac{1}{4}$ 5 $\frac{1}{4}$	18 $\frac{1}{4}$ 18 $\frac{1}{4}$	5 $\frac{1}{2}$ 5 $\frac{1}{2}$	1 1	1 $\frac{1}{4}$, 2	1 $\frac{1}{4}$, 2
2	FXD6, FD6, FXD6, FD6, HFD6, HFXD6, HFD6, CFD6	2-3	250	F6N1S ^② F6N1F ^②	33	38 $\frac{13}{32}$	11 $\frac{15}{32}$	5 $\frac{1}{16}$	33	8	1 1 $\frac{23}{64}$	$\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{4}$, 2, 2 $\frac{1}{2}$, 3	1 $\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{4}$, 20, 2 $\frac{1}{2}$, 3
3	JXD2, JD6, JXD6, HJD6, HJXD6, HHJD6, HHJXD6, SJD6, SHJD6	2-3	400	J6N1 ^①	120	41 $\frac{1}{16}$	22 $\frac{27}{64}$	10 $\frac{45}{64}$	37	18 $\frac{1}{4}$	2 $\frac{3}{4}$	—	—
3	LD6, LXD6, HLD6, HLXD6, HLLD6, HLLXD6, SLD6, SHLD6, SCJD6, SCLD6, CJD6, CLD6	2-3	600	LD6N1 ^①	101	46	22 $\frac{27}{64}$	10 $\frac{45}{64}$	42	18 $\frac{1}{4}$	2 $\frac{3}{4}$	—	—
3	LMXD6, LMD6, HLMXD6, HLMD6	2-3	800	LMD1 ^②	202	60	22 $\frac{27}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{4}$	2 $\frac{3}{4}$	—	—
3	MD6, MXD6, SMD6, HMD6, HMXD6, SHMD6, ND6, NXD6, SND6, HND6, HNXD6, SHND6, CMD6, SCMD6, CND6, SCND6	2-3	1200	MND61 ^②	202	60	22 $\frac{27}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{4}$	2 $\frac{3}{4}$	—	—
—	PD6, PXD6, HPD6, HPXD6, CPD6, RD6, SPD6, SHPD6, RXD6, HRD6, HRXD6	3	2000	PRD6N1 [■]	350	90	32	28	—	—	—	—	—

For inches / millimeters conversion, see Application Data section.

All above enclosures are suitable for use as service entrance devices

■ Built to order. Allow 2-3 weeks for delivery.

①Surface mounted, indoor. If flush mounting is required, replace suffix "S" in catalog number with suffix "F".

Also, if outdoor model required, use prefix "W" instead of "E".

②Neutral not included. Order as separate item from table on next page.

③Neutral included in enclosure.

④Surface mounted, indoor. If outdoor model is required, use prefix "W" instead of "E". Not available in flush ("F") model.

⑤Use for 110-125 ampere ED4, ED6, or HED4 circuit breakers.

⑥Will not accept breaker with shunt trip.

⑦Will not accept 2-pole GFP or breaker with shunt trip.

⑧Includes 100% rated breakers.

⑨Enclosure will accept shunt trip and other internal accessories except GFP.