



Type	VL160X/3VL1	VL160/3VL2	VL250/3VL3	VL400/3VL4
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Molded case circuit breakers

3VL molded case circuit breakers up to 1600 A

Rated current I_n at 50 °C ambient temperature ¹⁾	A	16 to 160	26 to 160	80 to 250	125 to 400
Number of poles		3 4	3 4	3 4	3 4
Rated operational voltage U_e					
AC 50/60 Hz	V	690	690	690	690
DC ²⁾	V	500	500	600	600

Electronic trip units

Thermal-magnetic		✓	✓	✓	✓	✓	✓
Electronic ETU LCD		--	--	✓	✓	✓	✓
Replaceable		--	--	✓	✓	✓	✓
PROFIBUS module COM10		--	--	✓	✓	✓	✓

Dimensions

	A	mm	105	139	105	139	105	139	139	183
B	mm	157	157	175	175	175	175	175	279	279
C	mm	81	81	81	81	81	81	81	102	102
D	mm	107	107	107	107	107	107	107	138	138

Switching capacity I_{cu}/I_{cs}
RMS value according to IEC 60947-2

Standard switching capacity N ³⁾					
up to 240 V AC	kA	65/65	65/65	65/65	65/65
up to 415 V AC	kA	40/40	40/40	40/40	45/45
up to 440 V AC	kA	25/20	25/20	25/20	35/26
up to 500/525 V AC	kA	18/14	25/20	25/20	25/20
up to 690 V AC	kA	8/4 ⁴⁾	12/6	12/6	15/8
up to 250 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
up to 500 V DC ⁵⁾	kA	--	--	--	--
up to 600 V DC ⁵⁾	kA	--	--	--	--
NEMA breaking capacity ⁶⁾					
up to 480 V AC	kA	25	25	25	35
up to 600 V AC	kA	8 ⁴⁾	12	12	20
High switching capacity H ³⁾					
up to 240 V AC	kA	100/75	100/75	100/75	100/75
up to 415 V AC	kA	70/70	70/70	70/70	70/70
up to 440 V AC	kA	42/32	50/38	50/38	50/38
up to 500/525 V AC	kA	30/23	40/30	40/30	40/30
up to 690 V AC	kA	12/6 ⁴⁾	12/6	12/6	15/8
up to 250 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
up to 500 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
up to 600 V DC ⁵⁾	kA	--	--	--	--
NEMA breaking capacity ⁶⁾					
up to 480 V AC	kA	42	50	50	50
up to 600 V AC	kA	12 ⁴⁾	12	12	20
Very high switching capacity L ³⁾					
up to 240 V AC	kA	--	200/150	200/150	200/150
up to 415 V AC	kA	--	100/75	100/75	100/75
up to 440 V AC	kA	--	75/50	75/50	75/50
up to 500/525 V AC	kA	--	50/38	50/38	50/38
up to 690 V AC	kA	--	12/6	12/6	15/8
up to 250 V DC ⁵⁾	kA	--	32/32	32/32	32/32
up to 500 V DC ⁵⁾	kA	--	32/32	32/32	32/32
up to 600 V DC ⁵⁾	kA	--	32/32	32/32	32/32
NEMA breaking capacity ⁶⁾					
up to 480 V AC	kA	--	75	75	75
up to 600 V AC	kA	--	12	12	20

✓ Available

-- Not available

Standard switching capacity N

High switching capacity H

Very high switching capacity L

For 3VL molded case circuit breakers according to UL 489 see Catalog LV 16.

¹⁾ 3VF2 at 40 °C ambient temperature.

²⁾ Rated DC voltage applies only for circuit breakers with thermal-magnetic trip unit.



VL630/3VL5

VL800/3VL6

VL1250/3VL7

VL1600/3VL8

3VF2

3VL molded case circuit breakers up to 1600 A

252 to 630

320 to 800

400 to 1250

640 to 1600

3VF2 molded case circuit breakers up to 100 A

16 to 100

3

4

3

4

3

4

3

4

3 and 4

690
600690
600690
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279
102
138253
279
102
138190
406
114
151253
406
114
151229
406
152
207305
406
152
207229
406
152
207305
406
152
20776/102
124
68
7365/65
45/45
35/26
25/20
20/10
32/32
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50/50
35/26
25/20
20/1065/35
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35/26
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20/1065/35
50/25
35/26
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20/1065/33
18/925
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--100/75
70/70
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³⁾ At 240 V AC, 415 V AC and 525 V AC max. 5 % overvoltage, at 440 V AC, 500 V AC and 690 V AC max. 10 % overvoltage, at 240 V DC, 500 V DC and 600 V DC max. 5 % overvoltage.

⁴⁾ Rated current $I_n \geq 25$ A.

⁵⁾ The maximum permitted DC voltage for each conducting path needs to be taken into account for DC switching applications, see [Technical Information LV 1T, "Configuring", "Switching of DC Currents"](#); time constant $t = 15$ ms.

⁶⁾ The NEMA breaking capacity can be found on the rating plate of each IEC circuit breaker.