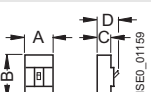


Overview



Type VL150X UL, CG frame** VL150 UL, DG frame VL250 UL, FG frame VL400 UL, JG frame

3VL molded case circuit breakers approved according to UL 489/IEC 60947-2 up to 1600 A

Rated current $I_n^{1)}$ at 40 °C ambient temperature	A	20 to 150	30 to 150	40 to 250	70 to 400
Number of poles		3	3	3	3
Rated operational voltage U_e (UL)					
AC 50/60 Hz	V	600	600	600	600
DC ²⁾	V	250	500	500	500
Electronic trip units					
Thermal-magnetic		✓	✓	✓	✓
Solid-State LCD ETU		--	✓	✓	✓
Dimensions					
					
A	mm	105	105	105	139
B	mm	157	175	175	279
C	mm	81	81	81	102
D	mm	107	107	107	138
Breaking capacity					
Standard switching capacity N					
Up to 240 V AC	kA	65	65	65	65
Up to 480 V AC	kA	35	35	35	35
Up to 600 V AC	kA	8	18	18	25
Up to 250 V DC ³⁾	kA	30	30	30	30
Up to 500 V DC ³⁾	kA	--	18	18	25
Up to 600 V DC ³⁾	kA	--	--	--	--
Switching capacity I_{cu}/I_{cs} RMS value according to IEC 60947-2					
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 690 V AC	kA	8/4 ⁴⁾	12/6	12/6	12/6
Up to 250 V DC ³⁾	kA	30/30	30/30	30/30	30/30
High switching capacity H					
Up to 240 V AC	kA	100	100	100	100
Up to 480 V AC	kA	65	65	65	65
Up to 600 V AC	kA	10	20	20	25
Up to 250 V DC ³⁾	kA	30	30	30	30
Up to 500 V DC ³⁾	kA	--	18	25	35
Up to 600 V DC ³⁾	kA	--	--	--	--
Switching capacity I_{cu}/I_{cs} RMS value according to IEC 60947-2					
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 690 V AC	kA	10/5 ⁴⁾	12/6	12/6	15/8
Up to 250 V DC ³⁾	kA	30/30	30/30	30/30	30/30
Very high switching capacity L					
Up to 240 V AC	kA	--	200	200	200
Up to 480 V AC	kA	--	100	100	100
Up to 600 V AC	kA	--	25	25	25
Up to 250 V DC ³⁾	kA	--	30	30	30
Up to 500 V DC ³⁾	kA	--	18	30	35
Up to 600 V DC ³⁾	kA	--	--	--	--
Switching capacity I_{cu}/I_{cs} RMS value according to IEC 60947-2					
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 690 V AC	kA	--	12/6	12/6	15/8
Up to 250 V DC ³⁾	kA	--	30/30	30/30	30/30

✓ Available

-- Not available

** On request

¹⁾ Rated value 80 % according to UL 489, 100 % according to IEC 60947-2.

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



VL400X UL, LG frame

VL800 UL, MG frame

VL1200 UL, NG frame

VL1600 UL, PG frame

3VL molded case circuit breakers approved according to UL 489/IEC 60947-2 up to 1600 A

150 to 600

200 to 800

300 to 1200

400 to 1600

3

3

3

3

600
500

600
500

600
500

600
500

✓
✓

✓
✓

✓
✓

✓
✓

139
279
102
138

190
406
118
151

229
406
157
209

229
406
157
209

65
35
25
30
25
--

65
35
25
22
35
--

65
35
25
22
35
--

65
35
25
22
35
--

65/65
45/45
12/6
30/30

65/65
50/50
20/10
30/30

65/35
50/25
20/10
30/30

65/35
50/25
20/10
30/30

100
65
25
30
35
--

100
65
35
25
50
--

100
65
35
25
50
--

100
65
35
25
50
--

100/75
70/70
15/8
30/30

100/75
70/70
30/15
30/30

100/50
70/35
30/15
30/30

100/50
70/35
30/15
30/30

200
100
25
30
35
--

200
100
50
42
65
--

200
100
65
42
65
--

200
100
65
42
65
--

200/150
100/75
15/8
30/30

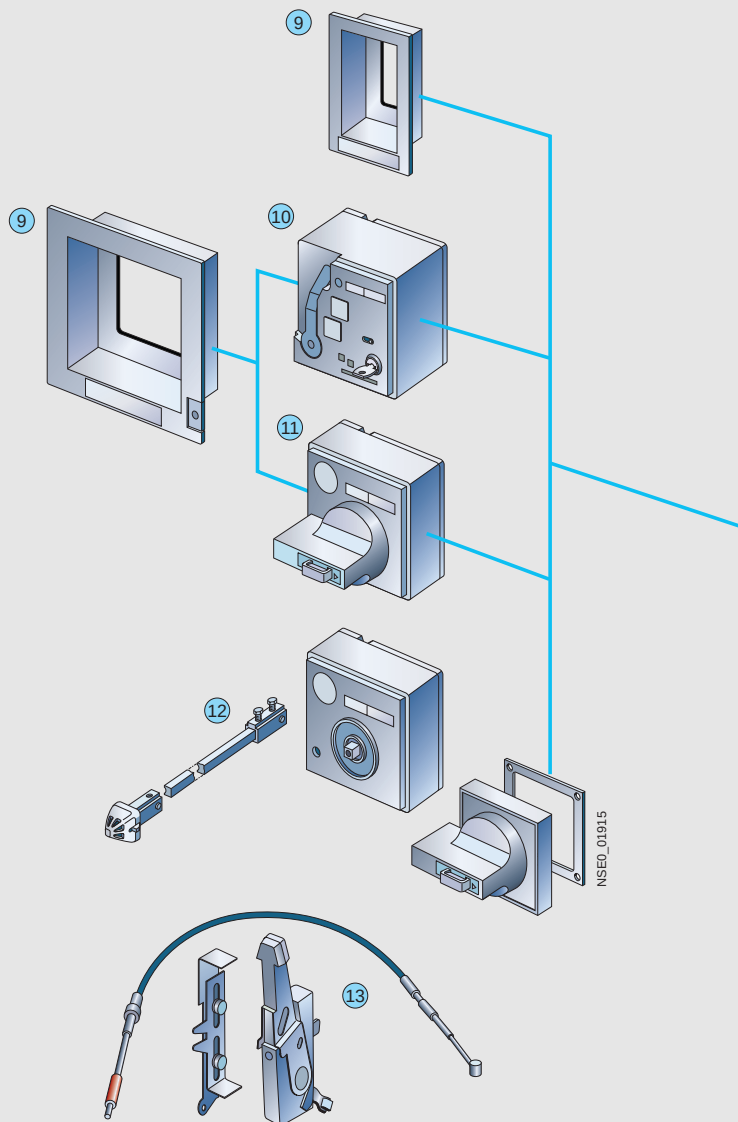
200/150
100/75
35/17
30/30

200/100
100/50
35/17
30/30

200/100
100/50
35/17
30/30

³⁾ The maximum permitted DC voltage for each conducting path needs to be taken into account for DC switching applications.

⁴⁾ Rated current $I_n \geq 25$ A.



- ① Withdrawable/plug-in bases
- ② Side walls of withdrawable unit
- ③ Multiple feed-in terminals for Al/Cu (size-dependent)
- ④ Circular conductor terminals for Al/Cu
- ⑤ Box terminals for Cu
- ⑥ Standard terminal covers
- ⑦ Extended terminal covers
- ⑧ Phase barriers
- ⑨ Masking frames/cover frames for door cut-out
- ⑩ Motorized operating mechanisms (synchronizable)
- ⑪ Front-operated rotary operating mechanisms
- ⑫ Door-coupling rotary operating mechanisms
- ⑬ Max Flex operating mechanisms
- ⑭ Solid-state overcurrent trip units (LCD ETU)
- ⑮ Internal accessories
- ⑯ 3VL UL molded case circuit breakers (LCD ETU)
- ⑰ Solid-state overcurrent trip units (ETU)
- ⑱ TM Thermal/magnetic overcurrent trip units
- ⑲ Function testers for electronic trip units
- ⑳ COM10 PROFIBUS modules
- ㉑ Rear terminals – flat and round

