

NC100L Miniature circuit-breakers

C curve

IEC 947-2: 25 kA

functions

The circuit-breakers combine the following functions:

- protecting circuits against short-circuit currents,
- protecting circuits against overload currents,
- control,

- disconnection,
- protecting persons against indirect contact in the TN and IT earthing systems

The NC100L circuit-breakers are used in the tertiary sector and industry.

description

common technical data

- power circuit:
- voltage rating: 415 V AC
- ratings: 10 to 63 A set at 40 °C
- breaking capacity:
- as in BS 3871 Pt1:

rating (A)	type	voltage (V)	break. cap. (kA)
10...40	1P	240	16
	2P, 3P, 4P	415	16

50...63	1P	240	10
	2P, 3P, 4P	415	10

- as in IEC 947-2, Icu ultimate breaking capacity and BS 4752 (O-CO cycle):

rating (A)	type	voltage (V)	break. cap. Icu (kA)
10...63	1P	130	50
		220...240	25
		400...415	6
2P, 3P, 4P		220...240	50
		380...415	25

- fast closing: allows increased withstand of the high inrush currents of some loads
- disconnection with positive contact indication: pole opening is indicated by the mechanical indicator (green) on the front face of the device. This indicator shows that all the poles are open.
- number of operating cycles (O-C): 20 000

environment:

- tropicalisation: treatment 2 (relative humidity 95 % at 55 °C)

□ weight (g):

type	1P	2P	3P	4P
	180	360	540	720

- connection: tunnel terminals for 25 mm² flexible cables or 35 mm² rigid cables

- identification: each device comes with a label holder on the toggle

- installation: in Multi 9 or Prisma enclosures

C curve

use

cables supplying standard loads

technical data

■ power circuit:

- tripping curve:

the magnetic releases operate between 7 and 10 I_n.

catalogue numbers



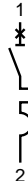
27628




27639

type	rating (A)	catalogue number	width in mod. of 9 mm
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NC100L C curve

type	rating (A)	catalogue number	width in mod. of 9 mm
1P 	10	27621	3
	16	27622	3
	20	27623	3
	25	27624	3
	32	27625	3
	40	27626	3
	50	27627	3
	63	27628	3

2P 	10	27632	6
	16	27633	6
	20	27634	6
	25	27635	6
	32	27636	6
	40	27637	6
	50	27638	6
	63	27639	6

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catalogue numbers




27650




27661

type	rating (A)	catalogue number	width in mod. of 9 mm
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NC100L C curve (continued)

type	rating (A)	catalogue number	width in mod. of 9 mm
3P 	10	27643	9
	16	27644	9
	20	27645	9
	25	27646	9
	32	27647	9
	40	27648	9
	50	27649	9
	63	27650	9

type	rating (A)	catalogue number	width in mod. of 9 mm
4P 	10	27654	12
	16	27655	12
	20	27656	12
	25	27657	12
	32	27658	12
	40	27659	12
	50	27660	12
	63	27661	12

additional information

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