87045 LIMOGES Cedex
Telephone: +33 5 55 06 87 87 – FAX: +33 5 55 06 88 88

Circuit breaker DX³ 10000 A up to 63A (1 module per pole)

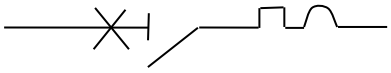
Cat. N° (s) : 4 088 64 to 4 093 42 - 4 094 25 to 4 095 39

CONTENTS PAGE

1. DESCRIPTION - USE:

. Thermal-magnetic circuit breaker (MCB) with positive contact indication for control, protection against short-circuits and overloads, and isolation of electrical circuits.

Symbol:



Technology:

. Limiting device

2. RANGE

Polarity:

. 1P / 2P / 3P / 4P

Width:

. 1 module per pole. Each pole is 17,7 mm

Rated currents, In:

. 0,5 / 1 / 2 / 3 / 4 / 6 / 10 / 13 / 16 / 20 / 25 / 32 / 40 / 50 / 63A
B and C curves
2 / 6 / 10 / 16 / 20 / 25 / 32 / 40 / 50 / 63A D Curve

Magnetic tripping curves:

. B Curve (between 3 and 5 In)
. C Curve (between 5 and 10 In)
. D Curve (between 10 and 14 In)

Thermal threshold according to IEC/EN 60898-1:

. Reference temperature: 30°C
. Non operating current (Inf): 1,13 In.
. Operating current (If): 1,45 In.

Thermal threshold according to IEC/EN 60947-2:

. Reference temperature: 40°C
. Non operating current: 1,05 In.
. Operating current: 1,3 In.

Rated Voltage, Frequency and Breaking capacity:

.10000 A in accordance with standard EN/IEC 60898-1
230 V ~ / 400 V~ - 50 / 60 Hz with standard tolerances

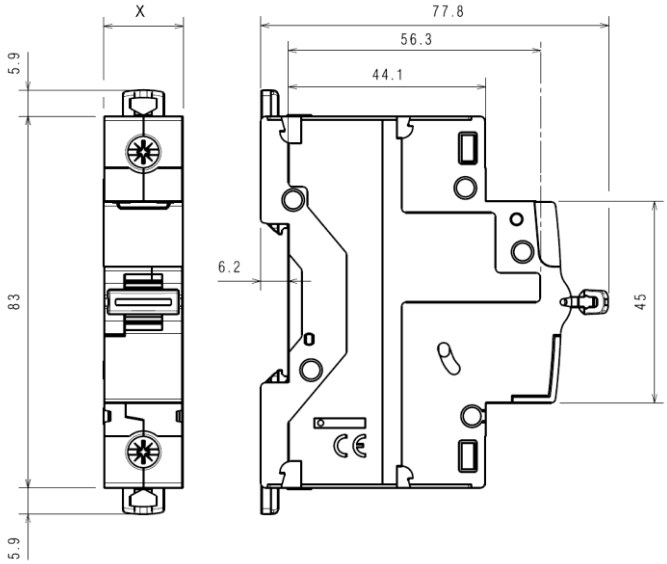
.16 kA in accordance with standard EN/IEC 60947-2
240 V ~ / 415 V~ - 50 / 60 Hz with standard tolerances

2. RANGE *(continued)*

Maximum operating voltage:

. 440 V ~ with possible derating of the breaking capacity

3. OVERALL DIMENSIONS:



	X
1P	**17.7 mm**
2P	**35.4 mm**
3P	**53.1 mm**
4P	**70.8 mm**

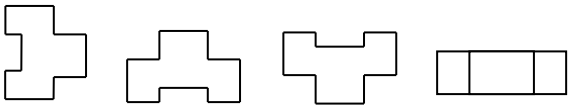
4. PREPARATION - CONNECTION

Fixing:

. On symmetrical EN/IEC 60715 or DIN 35 rail.

Operating positions:

.Vertical Horizontal Upside down On the side



4. PREPARATION - CONNECTION *(continued)*

Power supply:
. From the top or the bottom.

Connection:
. Inputs and outputs via screw terminals
The location of the terminals allows supplying by traditional HX³ pin busbar and fork busbar.

Terminal depth :
. 14 mm

Stripping length recommended:
. 11 mm

Screw head:
. Mixed, slotted and Pozidriv 2.

Tightening torque:
. Recommended: 2.5 Nm.
. Mini : 2 Nm. Maxi : 3 Nm.

Tools required:
. For the terminals: Pozidriv n°2 or flat screwdriver 5,5 mm (6 mm maximum).
. For fixing: flat screwdriver 5,5 mm (6 mm maximum).

Conductor type:

	Copper cables	
	Without ferrule	With ferrule
Rigid cable	**1 x 1,5 mm² to 35 mm²** **2 x 1,5 mm² to 16 mm²**	-
Flexible cable	**1 x 1,5 mm² to 25 mm²** **2 x 1,5 mm² to 10 mm²**	**1 x 1,5 mm² to 25 mm²**

Manual actuation of the MCB:
. By the 2-position ergonomic handle:
“I – ON”: Closed circuit.
“0 – OFF”: Opened circuit.

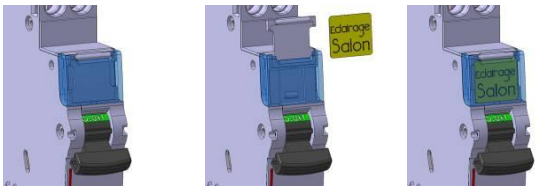
Contact status display:
. By marking of the handle
- "O-OFF" in white on a green background = contacts open
- "I-ON" in white on a red background = contacts closed

Sealing:
. Possible in ″Open″ position (OFF) or ″Close″ position (ON).

4. PREPARATION - CONNECTION *(continued)*

Locking:
. By 5 mm padlock (cat. N° 4 063 13) or 6 mm padlockk (cat. N° 0 227 97) with padlock support (cat. N° 0 044 42).

Labelling:
. Circuit identification by way of a label inserted in the label holder situated on the front of the product.



5. GENERAL CHARACTERISTICS:

Marking on the front side:
. By permanent ink pad printing:
- Trade name: DX³
- Breaking curve
- Rated current (in A)
- Icn in kA rated breaking capacity in accordance with IEC/EN 60898-1 (in a box)
- Limiting class “3” (in a square), for B and C Curves only
- Legrand reference code and Logo .
- Mark: Legrand.

Short-circuit breaking capacity:
. Alternate current 50/60Hz, single-phase or three-phase network, in accordance with standard: EN/IEC 60898-1

Un		1P	2P	3P / 4P
110 V~	**Icn**	**16000 A**	**25000 A**	**-**
230V~		**10000 A**	**16000 A**	**16000 A**
400V~		**-**	**10000 A**	**10000 A**
440 V~		**-**	**8000 A**	**8000 A**

110 V~	**Ics**	**75% of Icn**	**75% of Icn**	**75% of Icn**
230V~				
400V~				
440 V ~				

5. GENERAL CHARACTERISTICS *(continued)*

. Alternate current 50/60Hz, single-phase or three-phase network, in accordance with standard: EN/IEC 60947-2

Un		1P	2P	3P / 4P
110 V~	Icu	**25 kA**	**50 kA**	**-**
230 V~		**16 kA**	**32 kA**	**32 kA**
400 V~		**-**	**16 kA**	**16 kA**
440 V~		**-**	**10 kA**	**10 kA**

110 V~	Ics	**75% of Icu**	**75% of Icu**	**75% of Icu**
230 V~				
400 V~				
440 V~				

Short-circuit breaking capacity of only one pole:

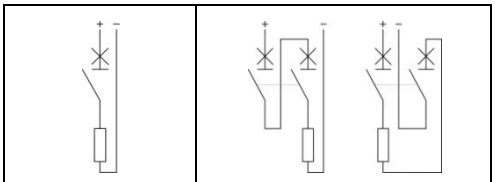
. Three-phase network 220 / 380 V~ to 240 / 415 V~
- in TN neutral system, Icn1 = 16 kA (under 220 to 240 V~)
- in IT neutral system, Iit = 4 kA (under 380 to 415 V~)

. Three-phase network 110 / 220 V~ to 120 / 240 V~
- in TN neutral system, Icn1 = 32 kA (under 110 to 127 V~)
- in IT neutral system, Iit = 8 kA (under 220 to 240 V~)

Short-circuit breaking capacity - DC current:

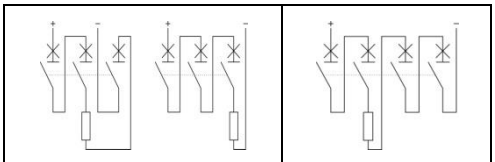
. According with EN/IEC 60947-2

. Icu for B and C Curves



Un	1P	2P
12 ÷ 60 Vd.c.	**10 kA**	**-**
12÷110 Vd.c.	**-**	**10 kA**

. Icu for B and C Curves



Un	3P	4P
12÷150 Vd.c.	**10 kA**	**-**
12÷180 Vd.c.	**-**	**10 kA**

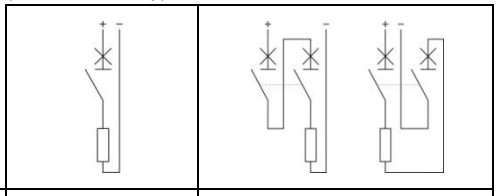
. Ics = 75 % of Icu

5. GENERAL CHARACTERISTICS *(continued)*

Short-circuit breaking capacity - DC current *(continued)*:

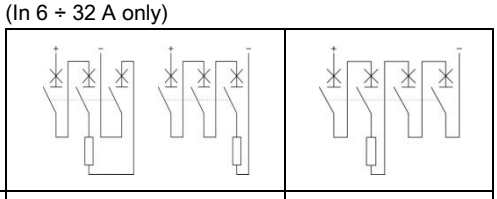
. According with EN/IEC 60947-2

. Icu for D Curve (In 6 ÷ 32 A only)



Un	1P	2P
12 ÷ 60 Vd.c.	**6 kA**	**-**
12÷110 Vd.c.	**-**	**6 kA**

. Icu for D Curve (In 6 ÷ 32 A only)



Un	3P	4P
12÷150 Vd.c.	**6 kA**	**-**
12÷180 Vd.c.	**-**	**6 kA**

. Ics = 75 % of Icu

Minimum operating voltage:

. 12 V a.c. / d.c.

Pulse rated voltage:

. Uimp = 4 kV

Insulation rated voltage:

. Ui = 500 V

Insulation class:

. II

Pollution degree :

. 2 in accordance with the standard EN/IEC 60898-1.

Electric strength:

. 2500 V

Operation at 400Hz:

. The magnetic thresholds increase by 45%.

Load to close and to open a pole trough the handle:

. 0,1 Nm per pole to close.

. 0,075 Nm per pole to open.

5. GENERAL CHARACTERISTICS *(continued)*

Mechanical endurance:

. 20000 operation without load.
. 10000 operation with load (under In*cos φ = 0,9).
. 2000 operation under In, DC current.

Enclosure material:

. Polyester.
. Characteristics of this material: self extinguishing, heat and fire resistant according to EN 60898-1, glow-wire test at 960°C for external parts made of insulating material necessary to retain in position current-carrying parts and parts of protective circuit (650°C for all other external parts made of insulating material).

Average weight per pole:

. 0,150 kg.

Volume when packed:

	Volume (dm³)
Single pole	**0,163**
Double pole	**0,334**
Triple pole / Four pole	**0,680**

Ambient temperatures:

. Operation: from - 25°C to + 70°C
. Storage: from - 40°C to + 70°C

Protection class:

. Protection index of terminals against solid and liquid bodies:
IP 20 (wired terminals), (in accordance with standards IEC 529, EN 60529 and NF C 20-010).
. Protection index of the box against solid and liquid bodies:
IP 40 (in accordance with standards IEC 529, EN 60529 and NF C 20-010).
. Protection index against mechanical shocks:
IK 02 (in accordance with standards EN 50102 and NF C 20-015).

Sinusoidal vibration resistance in accordance with IEC 60068.2.6:

. Axis : x, y, z.
. Frequency range: 5÷100 Hz ; duration 90 minutes
. Displacement (5÷13,2 Hz) : 1mm
. Acceleration (13,2÷100 Hz) : 0,7g (g=9,81 m/s²)

Recognition:

. Recognition of the circuits by label in the "label holder" on the front-side of the MCB

5. GENERAL CHARACTERISTICS *(continued)*

Power dissipated per pole (W) :

. Circuit breaker B and C Curves

In	0,5A	1A	2A	3A	4A	6A	10A	13A
1P÷4P	**1,7**	**2**	**2**	**2**	**2**	**1,1**	**1,8**	**1,9**

In	16A	20A	25A	32A	40A	50A	63A
1P÷4P	**2**	**2,4**	**2,7**	**3,2**	**4**	**4,5**	**5,5**

. Circuit breaker D Curve

In	2A	6A	10A	16A	20A
1P÷4P	**2**	**1,1**	**1,8**	**2**	**2,4**

In	25 A	32 A	40 A	50A	63A
1P÷4P	**2,7**	**3,2**	**4**	**4,5**	**5,5**

. Impedance per pole (Ω) = $\frac{\text{P dissipated}}{\text{In}^2}$

5. GENERAL CHARACTERISTICS *(continued):*

Derating of circuit-breakers according to ambient temperature :

. The nominal characteristics of a circuit breaker are modified according to the ambient temperature inside the cabinet or the enclosure where the circuit breaker is located.

. Reference temperature: 30°C in accordance with IEC/EN 60898-1

	Ambient Temperature / In									
In (A)	- 25°C	- 10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
0.5	**0.62**	**0.6**	**0.57**	**0.55**	**0.52**	**0.5**	**0.47**	**0.42**	**0.40**	**0.38**
1	**1.5**	**1.4**	**1.3**	**1.2**	**1.1**	**1**	**0.9**	**0.8**	**0.7**	**0.6**
1.5	**1.9**	**1.8**	**1.7**	**1.7**	**1.6**	**1.5**	**1.5**	**1.4**	**1.4**	**1.3**
2	**2.8**	**2.6**	**2.5**	**2.3**	**2.2**	**2**	**2**	**1.9**	**1.8**	**1.7**
3	**3.8**	**3.6**	**3.5**	**3.3**	**3.2**	**3.0**	**2.9**	**2.8**	**2.7**	**2.6**
3.5	**4.5**	**4.2**	**4.0**	**3.9**	**3.7**	**3.5**	**3.4**	**3.3**	**3.2**	**3.1**
5	**6.4**	**6.0**	**5.8**	**5.5**	**5.3**	**5.0**	**4.8**	**4.7**	**4.5**	**4.6**
6	**7.5**	**7.0**	**6.6**	**6.4**	**6.2**	**6.0**	**5.8**	**5.6**	**5.4**	**5.3**
10	**12.5**	**11.5**	**11.1**	**10.7**	**10.3**	**10.0**	**9.7**	**9.3**	**9.0**	**8.7**
13	**16.3**	**15.0**	**14.3**	**13.9**	**13.4**	**13.0**	**12.6**	**12.1**	**11.7**	**11.3**
16	**20.0**	**18.7**	**18.0**	**17.3**	**16.6**	**16.0**	**15.4**	**14.7**	**14.1**	**13.5**
20	**25.0**	**23.2**	**22.4**	**21.6**	**20.8**	**20.0**	**19.2**	**18.4**	**17.6**	**16.8**
25	**31.5**	**29.5**	**28.3**	**27.2**	**26.0**	**25.0**	**24.0**	**22.7**	**21.7**	**20.7**
30	**38.3**	**36.0**	**34.5**	**33.0**	**31.5**	**30.0**	**28.8**	**27.3**	**26.1**	**24.9**
32	**41.0**	**37.8**	**36.5**	**34.9**	**33.3**	**32.0**	**30.7**	**29.1**	**27.8**	**26.5**
40	**51.0**	**48.0**	**46.0**	**44.0**	**42.0**	**40.0**	**38.0**	**36.0**	**34.0**	**32.0**
50	**64.0**	**60.0**	**57.5**	**55.0**	**52.5**	**50.0**	**47.5**	**45.0**	**42.5**	**40.0**
63	**80.6**	**75.6**	**72.5**	**69.9**	**66.1**	**63.0**	**59.8**	**56.1**	**52.9**	**49.7**

Reference temperature: 40°C in accordance with IEC/EN 60947-2

	Ambient Temperature / In									
In (A)	- 25°C	- 10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
0.5	**0.64**	**0.62**	**0.6**	**0.57**	**0.55**	**0.52**	**0.5**	**0.47**	**0.42**	**0.40**
1	**1.6**	**1.5**	**1.4**	**1.3**	**1.2**	**1.1**	**1**	**0.9**	**0.8**	**0.7**
1.5	**2.0**	**1.9**	**1.8**	**1.7**	**1.7**	**1.6**	**1.5**	**1.5**	**1.4**	**1.4**
2	**3.0**	**2.8**	**2.6**	**2.5**	**2.3**	**2.2**	**2**	**2**	**1.9**	**1.8**
3	**4.1**	**3.8**	**3.6**	**3.5**	**3.3**	**3.2**	**3.0**	**2.9**	**2.8**	**2.7**
3.5	**4.9**	**4.5**	**4.2**	**4.0**	**3.9**	**3.7**	**3.5**	**3.4**	**3.3**	**3.2**
5	**7.0**	**6.4**	**6.0**	**5.8**	**5.5**	**5.3**	**5.0**	**4.8**	**4.7**	**4.5**
6	**8.2**	**7.5**	**7.0**	**6.6**	**6.4**	**6.2**	**6.0**	**5.8**	**5.6**	**5.4**
10	**14.0**	**12.5**	**11.5**	**11.1**	**10.7**	**10.3**	**10.0**	**9.7**	**9.3**	**9.0**
13	**18.2**	**16.3**	**15.0**	**14.3**	**13.9**	**13.4**	**13.0**	**12.6**	**12.1**	**11.7**
16	**21.9**	**20.0**	**18.7**	**18.0**	**17.3**	**16.6**	**16.0**	**15.4**	**14.7**	**14.1**
20	**27.7**	**25.0**	**23.2**	**22.4**	**21.6**	**20.8**	**20.0**	**19.2**	**18.4**	**17.6**
25	**34.5**	**31.5**	**29.5**	**28.3**	**27.2**	**26.0**	**25.0**	**24.0**	**22.7**	**21.7**
30	**41.7**	**38.3**	**36.0**	**34.5**	**33.0**	**31.5**	**30.0**	**28.8**	**27.3**	**26.1**
32	**45.8**	**41.0**	**37.8**	**36.5**	**34.9**	**33.3**	**32.0**	**30.7**	**29.1**	**27.8**
40	**55.5**	**51.0**	**48.0**	**46.0**	**44.0**	**42.0**	**40.0**	**38.0**	**36.0**	**34.0**
50	**70.0**	**64.0**	**60.0**	**57.5**	**55.0**	**52.5**	**50.0**	**47.5**	**45.0**	**42.5**
63	**88.1**	**80.6**	**75.6**	**72.5**	**69.9**	**66.1**	**63.0**	**59.8**	**56.1**	**52.9**

5. GENERAL CHARACTERISTICS *(continued):*

Derating of MCB for use with fluorescent lights:

Ferromagnetic and electronic ballasts have a high inrush current for a short time. These currents can cause the tripping of circuit breakers.
At the time of the installation, it should take into account the maximum number of ballasts per circuit breaker that the manufacturers of lamps and ballasts indicate in their catalogues.

Influence of the altitude:

	≤2000 m	3000 m	4000 m	5000 m
Dielectric holding	**3000 V**	**2500 V**	**2000 V**	**1500 V**
Max operational Voltage	**400 V**	**400 V**	**400 V**	**400 V**
Derating at 30°C	**none**	**none**	**none**	**none**

Derating of MCBs function of the number of devices side by side:

When several MCBs are juxtaposed and operate simultaneously, the thermal evacuation of the poles is limited. This results in an increase in operating temperature of the circuit breakers which can cause unwanted tripping. It is recommended to apply the following coefficients to the rated currents.

Number of circuit breakers side by side	Coefficient
2 - 3	**0.9**
4 – 5	**0.8**
6 - 9	**0.7**
≥ 10	**0.6**

These values are given by the recommendation of IEC 60439-1, NF C 63421 and EN 60439-1 standards.
To avoid using these coefficients, it is necessary to allow a good ventilation and to separate the devices with 0.5 module spacing elements (cat. N° 4 063 07).

5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between circuit-breakers and fuses, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN 60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		Fuse upstream									
		gG Type									
m.c.b. downstream		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	10A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	13A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	16A	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	20A	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	25A	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	32A	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	40A	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	50A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**
	63A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**

		Fuse upstream									
		aM Type									
m.c.b. downstream		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	10A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	13A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	16A	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	20A	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	25A	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	32A	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	40A	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	50A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**
	63A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the threshold and size of upstream fuse which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN 60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		m.c.b. upstream							
		DX³ 10000/16kA							
		B, C and D Curves							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	10A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	13A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	16A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	20A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	25A	**-**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	32A	**-**	**-**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	40A	**-**	**-**	**-**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	50A	**-**	**-**	**-**	**-**	**16kA**	**16kA**	**16kA**	**16kA**
	63A	**-**	**-**	**-**	**-**	**-**	**16kA**	**16kA**	**16kA**

		m.c.b. upstream							
		DX³ 25kA							
		B, C and D Curves							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	40A	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	50A	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**
	63A	**-**	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN 60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		m.c.b. upstream										
		DX³ 36kA						DX³ 50kA				
		C Curve						B,C and D Curves				
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**36KA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	-	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	-	**50kA**	**50kA**	**50kA**	**50kA**
	32A	-	-	**36kA**	**36kA**	**36kA**	**36kA**	-	-	**50kA**	**50kA**	**50kA**
	40A	-	-	-	**36kA**	**36kA**	**36kA**	-	-	-	**50kA**	**50kA**
	50A	-	-	-	-	**36kA**	**36kA**	-	-	-	-	**50kA**
	63A	-	-	-	-	-	**36kA**	-	-	-	-	-

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		m.c.c.b. upstream											
		DPX 125						DPX 125					
		16kA						25kA					
m.c.b. downstream		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	-	-	**16kA**	**16kA**	**16kA**	**16kA**	-	-	**25kA**	**25kA**	**25kA**	**25kA**
	32A	-	-	**16kA**	**16kA**	**16kA**	**16kA**	-	-	**25kA**	**25kA**	**25kA**	**25kA**
	40A	-	-	-	**16kA**	**16kA**	**16kA**	-	-	-	**25kA**	**25kA**	**25kA**
	50A	-	-	-	**16kA**	**16kA**	**16kA**	-	-	-	**25kA**	**25kA**	**25kA**
	63A	-	-	-	-	**16kA**	**16kA**	-	-	-	-	**25kA**	**25kA**

		m.c.c.b. upstream													
		DPX 125						DPX³ 160 / DPX³ 160 + RCD							
		36kA						16kA							
m.c.b. downstream		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	16A	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	20A	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	25A	-	-	**25kA**	**25kA**	**25kA**	**25kA**	-	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	32A	-	-	**25kA**	**25kA**	**25kA**	**25kA**	-	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	40A	-	-	-	**25kA**	**25kA**	**25kA**	-	-	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	50A	-	-	-	**25kA**	**25kA**	**25kA**	-	-	-	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	63A	-	-	-	-	**25kA**	**25kA**	-	-	-	-	**16kA**	**16kA**	**16kA**	**16kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		m.c.c.b. upstream												
		DPX³ 160 / DPX³ 160 + RCD								DPX 160				
		25 – 36 – 50kA								25 - 36 - 50kA				
m.c.b. downstream		16A	25A	40A	63A	80A	100A	125A	160A	25A	40A	63A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**
	32A	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**
	40A	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	-	**25kA**	**25kA**	**25kA**
	50A	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	-	**25kA**	**25kA**	**25kA**
	63A	-	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**	-	-	-	**20kA**	**20kA**

		m.c.c.b. upstream												
		DPX 250ER			DPX 250ER AB				DPX³250 / DPX³250+RCD (Thermal-magnetic & electronic)					
		25 - 36 - 50kA			36kA				25 - 36 – 50 - 70kA					
m.c.b. downstream		100A	160A	250A	90A	130A	170A	240A	40A	100A	160A	200A	250A	
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	16A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	20A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	25A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	32A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	
	40A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	
	50A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	
	63A	**20kA**	**20kA**	**20kA**	**20kA**	**20kA**	**20kA**	**20kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the magnetic (or electronic) threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutal) 400 / 415 V~ according to IEC/EN60947-2:

For TT or TN neutral system in 230/400 V network, to know the breaking capacity of the combination of a double pole breaker (connected between phase and neutral under 230V) downstream of a triple-pole circuit-breaker, take the values shown in Tables 230/400V.

		m.c.c.b. upstream												
		DPX 400AB		DPX / H / L 250 (Thermal-magnetic & electronic)						DPX / H / L 630 (Thermal-magnetic & electronic)				
		36kA		36 – 70 – 100kA						36 – 70 – 100kA				
m.c.c.b. downstream		320A	400A	25A	40A	63A	100A	160A	250A	250A	320A	400A	500A	630A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	**25kA**	**25kA**	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	40A	**20kA**	**20kA**	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**20kA**	**20kA**	**20kA**	**20kA**	**20kA**
	50A	**16kA**	**16kA**	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**
	63A	**16kA**	**16kA**	-	-	**20kA**	**20kA**	**20kA**	**20kA**	**16kA**	**16kA**	**16kA**	**16kA**	**16kA**

		m.c.c.b.. upstream	
		DPX / H / L 1250 (Thermal -magnetic)	DPX / H 1600 (electronic)
		50 – 70 – 100kA	36 – 70kA
m.c.c.b. downstream		500 to 1250A	630 to 1600A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**
	10A	**25kA**	**25kA**
	13A	**25kA**	**25kA**
	16A	**25kA**	**25kA**
	20A	**25kA**	**25kA**
	25A	**20kA**	**20kA**
	32A	**15kA**	**15kA**
	40A	**15kA**	**15kA**
	50A	**12,5kA**	**12,5kA**
	63A	**12,5kA**	**12,5kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.

According to the curves and ratings of circuit breakers, attention to the magnetic (or electronic) threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and fuses, three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		Fuse upstream									
		gG Type									
m.c.b. downstream		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	10A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	13A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	16A	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	20A	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	25A	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	32A	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	40A	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	50A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**
	63A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**

		Fuse upstream									
		aM Type									
m.c.b. downstream		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	10A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	13A	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	16A	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	20A	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	25A	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	32A	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	40A	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**100kA**	**40kA**
	50A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**
	63A	-	-	-	-	-	-	**100kA**	**100kA**	**100kA**	**40kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the threshold and to the size of upstream fuses which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers, three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.b. upstream							
		DX³ 10000/16kA							
		B, C and D Curves							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	40A	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	50A	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**
	63A	**-**	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**

		m.c.b. upstream							
		DX³ 25kA							
		B, C and D Curves							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	**-**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	40A	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	50A	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**	**25kA**
	63A	**-**	**-**	**-**	**-**	**-**	**25kA**	**25kA**	**25kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers, three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.b. upstream							
		DX³ 25kA							
		B and C Curves							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	-	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	40A	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	50A	-	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**
	63A	-	-	-	-	-	**25kA**	**25kA**	**25kA**

		m.c.b. upstream							
		DX³ 25kA							
		D Curve							
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	10A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	13A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	16A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	20A	**50kA**	**50kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	25A	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**	**25kA**
	32A	-	-	-	-	**25kA**	**25kA**	**25kA**	**25kA**
	40A	-	-	-	-	-	**25kA**	**25kA**	**25kA**
	50A	-	-	-	-	-	-	**25kA**	**25kA**
	63A	-	-	-	-	-	-	-	**25kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers, three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.b. upstream										
		DX³ 36kA						DX³ 50kA				
		C Curve						B, C and D Curves				
m.c.b. downstream		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**-**	**50kA**	**50kA**	**50kA**	**50kA**
	32A	**-**	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**-**	**-**	**50kA**	**50kA**	**50kA**
	40A	**-**	**-**	**-**	**50kA**	**50kA**	**50kA**	**-**	**-**	**-**	**50kA**	**50kA**
	50A	**-**	**-**	**-**	**-**	**50kA**	**50kA**	**-**	**-**	**-**	**-**	**50kA**
	63A	**-**	**-**	**-**	**-**	**-**	**50kA**	**-**	**-**	**-**	**-**	**-**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit Breakers), three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.c.b. upstream											
		DPX 125						DPX 125					
		25kA						36kA					
m.c.b. downstream		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	10A	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	13A	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	16A	-	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	20A	-	**35kA**	**35kA**	**35kA**	**35kA**	**35kA**	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	25A	-	-	**35kA**	**35kA**	**35kA**	**35kA**	-	-	**40kA**	**40kA**	**40kA**	**40kA**
	32A	-	-	**35kA**	**35kA**	**35kA**	**35kA**	-	-	**40kA**	**40kA**	**40kA**	**40kA**
	40A	-	-	-	**35kA**	**35kA**	**35kA**	-	-	-	**40kA**	**40kA**	**40kA**
	50A	-	-	-	**25kA**	**25kA**	**25kA**	-	-	-	**25kA**	**25kA**	**25kA**
	63A	-	-	-	-	**25kA**	**25kA**	-	-	-	-	**25kA**	**25kA**

		m.c.c.b. upstream							
		DPX³ 160 / DPX³ 160 + RCD							
		16kA							
m.c.b. downstream		16A	25A	40A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	10A	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	13A	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	16A	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	20A	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	25A	-	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	32A	-	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	40A	-	-	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	50A	-	-	-	**28kA**	**28kA**	**28kA**	**28kA**	**28kA**
	63A	-	-	-	-	**28kA**	**28kA**	**28kA**	**28kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit Breakers), three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.c.b. upstream							
		DPX³ 160 / DPX³ 160 + RCD							
		25kA							
m.c.b. downstream		16A	25A	40A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	10A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	13A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	16A	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	20A	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	25A	-	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	32A	-	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	40A	-	-	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	50A	-	-	-	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**
	63A	-	-	-	-	**40kA**	**40kA**	**40kA**	**40kA**

		m.c.c.b. upstream							
		DPX³ 160 / DPX³ 160 + RCD							
		36 - 50kA							
m.c.b. downstream		16A	25A	40A	63A	80A	100A	125A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	-	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	32A	-	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	40A	-	-	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	50A	-	-	-	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	63A	-	-	-	-	**50kA**	**50kA**	**50kA**	**50kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit Breakers), three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.c.b. upstream									
		DPX 160					DPX 160				
		25kA					36 - 50kA				
m.c.b. downstream		25A	40A	63A	100A	125A	25A	40A	63A	100A	125A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	-	-	-	**40kA**	**40kA**	-	**50kA**	**50kA**	**50kA**	**50kA**
	32A	-	-	-	**40kA**	**40kA**	-	**50kA**	**50kA**	**50kA**	**50kA**
	40A	-	-	-	**40kA**	**40kA**	-	-	**50kA**	**50kA**	**50kA**
	50A	-	-	-	**36kA**	**36kA**	-	-	**36kA**	**36kA**	**36kA**
	63A	-	-	-	**30kA**	**30kA**	-	-	-	**30kA**	**30kA**

		m.c.c.b. upstream									
		DPX 250ER			DPX 250ER			DPX 250ER AB			
		25kA			36 - 50kA			36kA			
m.c.b. downstream		100A	160A	250A	100A	160A	250A	90A	130A	170A	240A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	32A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	40A	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	50A	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**	**36kA**
	63A	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit Breakers), three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.c.b. upstream											
		DPX³250 / DPX³250+RCD (Thermal-magnetic & electronic)					DPX³250 / DPX³250+RCD (Thermal-magnetic & electronic)					DPX 400AB	
		25kA					36 – 50 - 70kA					36kA	
m.c.b. downstream		40A	100A	160A	200A	250A	40A	100A	160A	200A	250A	320A	400A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50□A**	**50kA**	**50kA**	**50kA**
	20A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	32A	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**40kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	40A	**-**	**40kA**	**40kA**	**40kA**	**40kA**	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	50A	**-**	**40kA**	**40kA**	**40kA**	**40kA**	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**30kA**	**30kA**
	63A	**-**	**40kA**	**40kA**	**40kA**	**40kA**	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**30kA**	**30kA**

		m.c.c.b. upstream										
		DPX / H / L 250 (Thermal-magnetic & electronic)						DPX / H / L 630 (Thermal-magnetic & electronic)				
		36 - 70 – 100kA						36 - 70 – 100kA				
m.c.b. downstream		25A	40A	63A	100A	160A	250A	**250A**	**320A**	**400A**	**500A**	**630A**
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	10A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	13A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	16A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	20A	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	25A	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	32A	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	40A	**-**	**-**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**	**50kA**
	50A	**-**	**-**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**
	63A	**-**	**-**	**-**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**	**30kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic (or electronic) threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued):*

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit Breakers), three-phase network (+ neutal) 230 / 240 V~ according to IEC/EN 60947-2:

		m.c.c.b. upstream	
		DPX / H / L 1250 (Thermal-magnetic)	DPX / H 1600 (electronic)
		50 – 70 – 100kA	36 – 70kA
m.c.b. downstream		500 to 1250A	630 to 1600A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**50kA**	**50kA**
	10A	**50kA**	**50kA**
	13A	**50kA**	**50kA**
	16A	**50kA**	**50kA**
	20A	**50kA**	**50kA**
	25A	**50kA**	**50kA**
	32A	**50kA**	**50kA**
	40A	**50kA**	**50kA**
	50A	**50kA**	**50kA**
	63A	**50kA**	**50kA**

All these values are also valid for circuit breakers associated to RCD add-on modules.
According to the curves and ratings of circuit breakers, attention to the magnetic (or electronic) threshold and to the size of upstream circuit breakers which must necessarily be higher.

5. GENERAL CHARACTERISTICS *(continued)*

Selectivity between two levels of protection

. The downstream circuit breaker must always have a magnetic threshold and a rated current lower than those of the upstream protection.
. Selectivity is indicated total (T) if there is selectivity up to the value of breaking capacity (according to IEC / EN 60947-2) of the downstream circuit breaker.

Selectivity between modular circuit breakers and fuses:

. Selectivity limit at 400V~: values in Ampere.

		Fuse upstream							
		gG Type							
m.c.b. downstream		32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B and C Curves	≤6A	**1300**	**1900**	**2500**	**4000**	**4600**	**T**	**T**	**T**
	10A	**-**	**1600**	**2200**	**3200**	**3600**	**7000**	**T**	**T**
	13A	**-**	**1400**	**1800**	**2600**	**3000**	**5600**	**8000**	**T**
	16A	**-**	**1400**	**1800**	**2600**	**3000**	**5600**	**8000**	**T**
	20A	**-**	**1200**	**1500**	**2200**	**2500**	**4600**	**63**	**T**
	25A	**-**	**-**	**1300**	**2000**	**2200**	**4100**	**5500**	**9000**
	32A	**-**	**-**	**1200**	**1700**	**1900**	**3500**	**4500**	**8000**
	40A	**-**	**-**	**-**	**-**	**1700**	**3000**	**4000**	**6000**
	50A	**-**	**-**	**-**	**-**	**1600**	**2600**	**3500**	**5000**
	63A	**-**	**-**	**-**	**-**	**-**	**2400**	**3300**	**5000**

		Fuse upstream							
		gG Type							
m.c.b. downstream		32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A D Curves	≤6A	**1200**	**1600**	**2200**	**4000**	**4200**	**8000**	**T**	**T**
	10A	**-**	**1600**	**2200**	**3200**	**3600**	**7000**	**T**	**T**
	16A	**-**	**1400**	**1800**	**2600**	**3000**	**5600**	**8000**	**T**
	20A	**-**	**1200**	**1500**	**2200**	**2500**	**4600**	**6300**	**T**
	25A	**-**	**-**	**1200**	**1800**	**2100**	**3700**	**5000**	**6000**
	32A	**-**	**-**	**-**	**1500**	**1800**	**3000**	**4000**	**5000**
	40A	**-**	**-**	**-**	**-**	**1700**	**2600**	**3500**	**4500**
	50A	**-**	**-**	**-**	**-**	**1400**	**2000**	**3000**	**4000**
	63A	**-**	**-**	**-**	**-**	**-**	**2000**	**3000**	**4000**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued)*

Selectivity between two levels of protection

. The downstream circuit breaker must always have a magnetic threshold and a rated current lower than those of the upstream protection.
. Selectivity is indicated total (T) if there is selectivity up to the value of breaking capacity (according to IEC / EN 60947-2) of the downstream circuit breaker.

Selectivity between modular circuit breakers and fuses:

. Selectivity limit at 400V~: values in Ampere.

		Fuse upstream								
		aM Type								
m.c.b. downstream		25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A B and C Curves	≤6A	**1000**	**1600**	**2100**	**3200**	**6200**	**T**	**T**	**T**	**T**
	10A	**-**	**1100**	**1700**	**2500**	**5000**	**7800**	**T**	**T**	**T**
	13A	**-**	**1000**	**1400**	**2100**	**4000**	**6000**	**9000**	**T**	**T**
	16A	**-**	**1000**	**1400**	**2100**	**4000**	**6000**	**9000**	**T**	**T**
	20A	**-**	**-**	**1300**	**1800**	**3400**	**5100**	**7000**	**T**	**T**
	25A	**-**	**-**	**1100**	**1600**	**3000**	**4500**	**6000**	**9300**	**T**
	32A	**-**	**-**	**-**	**1300**	**2400**	**3800**	**5000**	**7700**	**9000**
	40A	**-**	**-**	**-**	**-**	**2100**	**3100**	**4200**	**6400**	**7000**
	50A	**-**	**-**	**-**	**-**	**2000**	**2900**	**3700**	**6000**	**6000**
	63A	**-**	**-**	**-**	**-**	**-**	**2800**	**3500**	**5500**	**6000**

		Fuse upstream								
		aM Type								
m.c.b. downstream		25A	32A	40A	50A	63A	80A	100A	125A	160A
DX³ 10000A D Curve	≤6A	**900**	**1400**	**2000**	**2700**	**5500**	**T**	**T**	**T**	**T**
	10A	**-**	**1100**	**1700**	**2500**	**5000**	**7800**	**T**	**T**	**T**
	16A	**-**	**1000**	**1400**	**2100**	**4000**	**6000**	**9000**	**T**	**T**
	20A	**-**	**-**	**1300**	**1800**	**3400**	**5100**	**7000**	**T**	**T**
	25A	**-**	**-**	**1000**	**1500**	**2700**	**4000**	**55**	**9000**	**T**
	32A	**-**	**-**	**-**	**1100**	**2100**	**3500**	**4700**	**7500**	**T**
	40A	**-**	**-**	**-**	**-**	**1800**	**2800**	**4000**	**6000**	**7000**
	50A	**-**	**-**	**-**	**-**	**1800**	**2500**	**3500**	**5500**	**6000**
	63A	**-**	**-**	**-**	**-**	**-**	**2500**	**3500**	**5500**	**6000**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 10000/16kA										
		B Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	-	64	80	100	128	160	200	252	4000	T	T
	10A	-	-	80	100	128	160	200	252	3000	5000	T
	13A	-	-	-	100	128	160	200	252	2500	4000	6000
	16A	-	-	-	-	128	160	200	252	2000	3600	5500
	20A	-	-	-	-	-	160	200	252	1600	3000	4000
	25A	-	-	-	-	-	-	200	252	1300	2400	3300
	32A	-	-	-	-	-	-	-	252	1000	1800	2700
	40A	-	-	-	-	-	-	-	-	800	1600	2400
	50A	-	-	-	-	-	-	-	-	800	900	1700
	63A	-	-	-	-	-	-	-	-	-	900	1200

		m.c.b. upstream										
		DX³ 10000/16kA										
		C Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	75	120	150	187	240	300	375	472	4000	T	T
	10A	-	120	150	187	240	300	375	472	3000	5000	T
	13A	-	120	150	187	240	300	375	472	2500	4000	6000
	16A	-	-	150	187	240	300	375	472	2000	3600	5500
	20A	-	-	-	187	240	300	375	472	1600	3000	4000
	25A	-	-	-	-	240	300	375	472	1300	2400	3300
	32A	-	-	-	-	-	300	375	472	1000	1800	2700
	40A	-	-	-	-	-	-	375	472	800	1600	2400
	50A	-	-	-	-	-	-	-	472	800	900	1700
	63A	-	-	-	-	-	-	-	-	650	900	1200

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 10000/16kA										
		D Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	**120**	**192**	**240**	**300**	**384**	**480**	**600**	**756**	**4000**	**T**	**T**
	10A	**-**	**192**	**240**	**300**	**384**	**480**	**600**	**756**	**3000**	**5000**	**T**
	13A	**-**	**-**	**240**	**300**	**384**	**480**	**600**	**756**	**2500**	**4000**	**6000**
	16A	**-**	**-**	**240**	**300**	**384**	**480**	**600**	**756**	**2000**	**3600**	**5500**
	20A	**-**	**-**	**-**	**300**	**384**	**480**	**600**	**756**	**1600**	**3000**	**4000**
	25A	**-**	**-**	**-**	**-**	**384**	**480**	**600**	**756**	**1300**	**2400**	**3300**
	32A	**-**	**-**	**-**	**-**	**-**	**480**	**600**	**756**	**1100**	**1450**	**2700**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**600**	**756**	**1000**	**1250**	**2400**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**756**	**950**	**1200**	**1700**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**950**	**1200**	**1500**

		m.c.b. upstream										
		DX³ 10000/16kA										
		B Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	**-**	**-**	**-**	**100**	**128**	**160**	**200**	**252**	**4000**	**T**	**T**
	10A	**-**	**-**	**-**	**-**	**-**	**160**	**200**	**252**	**3000**	**5000**	**T**
	16A	**-**	**-**	**-**	**-**	**-**	**-**	**200**	**252**	**2000**	**3600**	**5500**
	20A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**252**	**1600**	**3000**	**4000**
	25A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1300**	**2400**	**3300**
	32A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1800**	**2700**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2400**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 10000/16kA										
		C Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	-	120	150	187	240	300	375	472	4000	T	T
	10A	-	-	150	187	240	300	375	472	3000	5000	T
	16A	-	-	-	-	240	300	375	472	2000	3600	5500
	20A	-	-	-	-	-	300	375	472	1600	3000	4000
	25A	-	-	-	-	-	-	375	472	1300	2400	3300
	32A	-	-	-	-	-	-	-	472	1000	1800	2700
	40A	-	-	-	-	-	-	-	-	800	1600	2400
	50A	-	-	-	-	-	-	-	-	-	900	1700
	63A	-	-	-	-	-	-	-	-	-	-	1200

		m.c.b. upstream										
		DX³ 10000/16kA										
		D Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	-	192	240	300	384	480	600	756	4000	T	T
	10A	-	192	240	300	384	480	600	756	3000	5000	T
	16A	-	-	240	300	384	480	600	756	2000	3600	5500
	20A	-	-	-	300	384	480	600	756	1600	3000	4000
	25A	-	-	-	-	384	480	600	756	1300	2400	3300
	32A	-	-	-	-	-	480	600	756	1100	1450	2700
	40A	-	-	-	-	-	-	600	756	1000	1250	2400
	50A	-	-	-	-	-	-	-	756	950	1200	1700
	63A	-	-	-	-	-	-	-	-	950	1200	1500

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 25kA										
		B Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	-	64	80	100	700	1200	1500	3000	4000	T	T
	10A	-	-	80	100	500	700	1000	1800	3000	5000	T
	13A	-	-	-	100	400	600	900	1500	2500	4000	6000
	16A	-	-	-	-	300	500	700	1300	2000	3600	5500
	20A	-	-	-	-	-	400	500	1000	1600	3000	4000
	25A	-	-	-	-	-	-	500	800	1300	2400	3300
	32A	-	-	-	-	-	-	500	600	1000	1800	2700
	40A	-	-	-	-	-	-	-	600	800	1600	2400
	50A	-	-	-	-	-	-	-	-	800	900	1700
	63A	-	-	-	-	-	-	-	-	-	900	1200

		m.c.b. upstream										
		DX³ 25kA										
		C Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	75	120	150	187	700	1200	1500	3000	4000	T	T
	10A	-	120	150	187	500	700	1000	1800	3000	5000	T
	13A	-	120	150	187	400	600	1200	1500	2500	4000	6000
	16A	-	-	150	187	300	500	700	1300	2000	3600	5500
	20A	-	-	-	187	300	400	500	1000	1600	3000	4000
	25A	-	-	-	-	240	400	500	800	1300	2400	3300
	32A	-	-	-	-	-	300	500	600	1000	1800	2700
	40A	-	-	-	-	-	-	400	600	800	1600	2400
	50A	-	-	-	-	-	-	-	500	800	900	1700
	63A	-	-	-	-	-	-	-	-	650	900	1200

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 25kA										
		D Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A B and C Curves	≤6A	**120**	**192**	**240**	**500**	**700**	**1200**	**1500**	**3000**	**4000**	**T**	**T**
	10A	**-**	**192**	**240**	**300**	**500**	**700**	**1000**	**1800**	**3000**	**5000**	**T**
	13A	**-**	**-**	**240**	**300**	**400**	**600**	**1200**	**1500**	**2500**	**4000**	**6000**
	16A	**-**	**-**	**240**	**300**	**384**	**500**	**700**	**1300**	**2000**	**3600**	**5500**
	20A	**-**	**-**	**-**	**300**	**384**	**480**	**600**	**1000**	**1600**	**3000**	**4000**
	25A	**-**	**-**	**-**	**-**	**384**	**480**	**600**	**800**	**1300**	**2400**	**3300**
	32A	**-**	**-**	**-**	**-**	**-**	**480**	**600**	**756**	**1100**	**1450**	**2700**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**600**	**756**	**1000**	**1250**	**2400**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**756**	**950**	**1200**	**1700**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**950**	**1200**	**1500**

		m.c.b. upstream										
		DX³ 25kA										
		B Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	**-**	**-**	**-**	**100**	**700**	**1200**	**1500**	**3000**	**4000**	**T**	**T**
	10A	**-**	**-**	**-**	**-**	**500**	**700**	**1000**	**1800**	**3000**	**5000**	**T**
	16A	**-**	**-**	**-**	**-**	**-**	**-**	**1200**	**1300**	**2000**	**3600**	**5500**
	20A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1000**	**1600**	**3000**	**4000**
	25A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1300**	**2400**	**3300**
	32A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1800**	**2700**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2400**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream										
		DX³ 25kA										
		C Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	-	120	150	187	700	1200	1500	3000	4000	T	T
	10A	-	-	150	187	500	700	1000	1800	3000	5000	T
	16A	-	-	-	-	300	500	700	1300	2000	3600	5500
	20A	-	-	-	-	-	400	500	1000	1600	3000	4000
	25A	-	-	-	-	-	-	500	800	1300	2400	3300
	32A	-	-	-	-	-	-	-	600	1000	1800	2700
	40A	-	-	-	-	-	-	-	-	800	1600	2400
	50A	-	-	-	-	-	-	-	-	-	900	1700
	63A	-	-	-	-	-	-	-	-	-	-	1200

		m.c.b. upstream										
		DX³ 25kA										
		D Curve										
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX³ 10000A D Curve	≤6A	120	192	240	500	700	1200	1500	3000	4000	T	T
	10A	-	192	240	300	500	700	1000	1800	3000	5000	T
	16A	-	-	240	300	384	500	700	1300	2000	3600	5500
	20A	-	-	-	300	384	480	600	1000	1600	3000	4000
	25A	-	-	-	-	384	480	600	800	1300	2400	3300
	32A	-	-	-	-	-	480	600	756	1100	1450	2700
	40A	-	-	-	-	-	-	600	756	1000	1250	2400
	50A	-	-	-	-	-	-	-	756	950	1200	1700
	63A	-	-	-	-	-	-	-	-	950	1200	1500

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream								
		DX³ 36kA								
		C Curve								
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A
DX³ 10000A B and C Curves	≤6A	**75**	**120**	**170**	**500**	**700**	**1200**	**1500**	**3000**	**4000**
	10A	**-**	**120**	**150**	**210**	**500**	**700**	**1000**	**1800**	**3000**
	13A	**-**	**-**	**150**	**187**	**300**	**600**	**900**	**1500**	**2500**
	16A	**-**	**-**	**150**	**187**	**300**	**500**	**700**	**1300**	**2000**
	20A	**-**	**-**	**-**	**187**	**300**	**400**	**500**	**1000**	**1600**
	25A	**-**	**-**	**-**	**-**	**240**	**400**	**500**	**800**	**1300**
	32A	**-**	**-**	**-**	**-**	**-**	**300**	**500**	**600**	**1000**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**400**	**600**	**800**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**800**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**650**

		m.c.b. upstream								
		DX³ 36kA								
		C Curve								
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A
DX³ 10000A D Curve	≤6A	**-**	**120**	**170**	**500**	**700**	**1200**	**1500**	**3000**	**4000**
	10A	**-**	**-**	**150**	**210**	**500**	**700**	**1000**	**1800**	**3000**
	16A	**-**	**-**	**-**	**-**	**300**	**500**	**700**	**1300**	**2000**
	20A	**-**	**-**	**-**	**-**	**-**	**400**	**500**	**1000**	**1600**
	25A	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**800**	**1300**
	32A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**600**	**1000**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**800**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream							
		DX³ 50kA							
		B Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	-	64	170	500	700	1200	1500	3000
	10A	-	-	150	210	500	700	1000	1800
	13A	-	-	-	200	400	600	1200	1500
	16A	-	-	-	-	300	500	700	1300
	20A	-	-	-	-	-	400	500	1000
	25A	-	-	-	-	-	-	500	800
	32A	-	-	-	-	-	-	500	600
	40A	-	-	-	-	-	-	-	600
	50A	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-

		m.c.b. upstream							
		DX³ 50kA							
		C Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	75	120	170	500	700	1200	1500	3000
	10A	-	120	150	210	500	700	1000	1800
	13A	-	120	150	200	400	600	1200	1500
	16A	-	-	150	187	300	500	700	1300
	20A	-	-	-	187	300	400	500	1000
	25A	-	-	-	-	240	400	500	800
	32A	-	-	-	-	-	300	500	600
	40A	-	-	-	-	-	-	400	600
	50A	-	-	-	-	-	-	-	500
	63A	-	-	-	-	-	-	-	-

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream							
		DX³ 50kA							
		B Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	-	64	170	500	700	1200	1500	3000
	10A	-	-	150	210	500	700	1000	1800
	13A	-	-	-	200	400	600	1200	1500
	16A	-	-	-	-	300	500	700	1300
	20A	-	-	-	-	-	400	500	1000
	25A	-	-	-	-	-	-	500	800
	32A	-	-	-	-	-	-	500	600
	40A	-	-	-	-	-	-	-	600
	50A	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-

		m.c.b. upstream							
		DX³ 50kA							
		C Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	75	120	170	500	700	1200	1500	3000
	10A	-	120	150	210	500	700	1000	1800
	13A	-	120	150	200	400	600	1200	1500
	16A	-	-	150	187	300	500	700	1300
	20A	-	-	-	187	300	400	500	1000
	25A	-	-	-	-	240	400	500	800
	32A	-	-	-	-	-	300	500	600
	40A	-	-	-	-	-	-	400	600
	50A	-	-	-	-	-	-	-	500
	63A	-	-	-	-	-	-	-	-

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream							
		DX³ 50kA							
		D Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A B and C Curves	≤6A	**120**	**192**	**240**	**500**	**700**	**1200**	**1500**	**3000**
	10A	**-**	**192**	**240**	**300**	**500**	**700**	**1000**	**1800**
	13A	**-**	**-**	**240**	**300**	**400**	**600**	**1200**	**1500**
	16A	**-**	**-**	**240**	**300**	**384**	**500**	**700**	**1300**
	20A	**-**	**-**	**-**	**300**	**384**	**480**	**600**	**1000**
	25A	**-**	**-**	**-**	**-**	**384**	**480**	**600**	**800**
	32A	**-**	**-**	**-**	**-**	**-**	**480**	**600**	**756**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**600**	**756**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**756**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

		m.c.b. upstream							
		DX³ 50kA							
		B Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A D Curve	≤6A	**-**	**-**	**-**	**500**	**700**	**1200**	**1500**	**3000**
	10A	**-**	**-**	**-**	**-**	**-**	**700**	**1000**	**1800**
	16A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1000**
	20A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	25A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	32A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	40A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	50A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	63A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between modular circuit breakers:

. Selectivity limit at 400V~: values in Ampere.

		m.c.b. upstream							
		DX³ 50kA							
		C Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A D Curve	≤6A	-	120	170	500	700	1200	1500	3000
	10A	-	-	150	210	500	700	1000	1800
	16A	-	-	-	-	300	500	700	1300
	20A	-	-	-	-	-	400	500	1000
	25A	-	-	-	-	-	-	500	800
	32A	-	-	-	-	-	-	-	600
	40A	-	-	-	-	-	-	-	-
	50A	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-

		m.c.b. upstream							
		DX³ 50kA							
		D Curve							
m.c.b. downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX³ 10000A D Curve	≤6A	120	192	240	500	700	1200	1500	3000
	10A	-	192	240	300	500	700	1000	1800
	16A	-	-	240	300	384	500	700	1300
	20A	-	-	-	300	384	480	600	1000
	25A	-	-	-	-	384	480	600	800
	32A	-	-	-	-	-	480	600	756
	40A	-	-	-	-	-	-	600	756
	50A	-	-	-	-	-	-	-	756
	63A	-	-	-	-	-	-	-	-

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between M.C.Bs and M.C.C.Bs (Moulded Case Circuit Breakers):

. Selectivity limit at 400V~: values in Ampere.

		m.c.c.b. upstream										
		DPX 125						DPX 160				
		16 - 25 - 36kA						25 – 36 – 50kA				
m.c.b. downstream		16A	25A	40A	63A	100A	125A	25A	40A	63A	100A	160A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**6000**	**6000**	**6000**	**6000**	**T**	**T**	**T**	**T**	**T**	**T**	**T**
	10A	**5000**	**5000**	**5000**	**5000**	**6000**	**6000**	**7500**	**7500**	**7500**	**7000**	**T**
	13A	**-**	**4000**	**4000**	**4000**	**6000**	**6000**	**7500**	**7500**	**7500**	**7000**	**T**
	16A	**-**	**4000**	**4000**	**4000**	**6000**	**6000**	**6000**	**6000**	**6000**	**6000**	**T**
	20A	**-**	**4000**	**4000**	**4000**	**5000**	**5000**	**-**	**5000**	**5000**	**5000**	**T**
	25A	**-**	**-**	**3000**	**3000**	**4500**	**4500**	**-**	**3500**	**3500**	**4000**	**8500**
	32A	**-**	**-**	**3000**	**3000**	**4000**	**4000**	**-**	**-**	**2000**	**3500**	**7000**
	40A	**-**	**-**	**-**	**3000**	**3000**	**3000**	**-**	**-**	**2000**	**2500**	**6000**
	50A	**-**	**-**	**-**	**-**	**3000**	**3000**	**-**	**-**	**-**	**2000**	**5500**
	63A	**-**	**-**	**-**	**-**	**3000**	**3000**	**-**	**-**	**-**	**2000**	**5000**

		m.c.c.b. upstream										
		DPX³160 DPX³160 + RCD								DPX 250ER		
		16 - 25 – 36 - 50kA								25 – 39 – 50kA		
m.c.b. downstream		16A	25A	40A	63A	80A	100A	125A	160A	100A	160A	250A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**
	10A	**5000**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**
	13A	**-**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**
	16A	**-**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**	**T**
	20A	**-**	**5000**	**5000**	**5000**	**5000**	**6000**	**T**	**T**	**8000**	**T**	**T**
	25A	**-**	**-**	**4500**	**4500**	**4500**	**4500**	**T**	**T**	**6000**	**8500**	**T**
	32A	**-**	**-**	**-**	**3000**	**4000**	**4000**	**T**	**T**	**5000**	**7000**	**T**
	40A	**-**	**-**	**-**	**3000**	**3000**	**3000**	**T**	**T**	**4000**	**6000**	**T**
	50A	**-**	**-**	**-**	**-**	**3000**	**3000**	**5500**	**7000**	**4000**	**5500**	**7000**
	63A	**-**	**-**	**-**	**-**	**3000**	**3000**	**5000**	**6000**	**3000**	**5000**	**6000**

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between M.C.Bs and M.C.C.Bs (Moulded Case Circuit Breakers):

. Selectivity limit at 400V~: values in Ampere.

		m.c.c.b. upstream									
		DPX 250ER AB				DPX 250 / H / L (Thermal-Magnetic & electronic)					
		25kA				36 - 70 - 100kA					
m.c.b. downstream		90A	130A	170A	240A	25A	40A	63A	100A	160A	250A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	T	T	T	T	6000	6000	6000	T	T	T
	10A	T	T	T	T	5000	5000	5000	T	T	T
	13A	T	T	T	T	4000	4000	4000	T	T	T
	16A	T	T	T	T	4000	4000	4000	T	T	T
	20A	T	T	T	T	-	4000	4000	8000	T	T
	25A	T	T	T	T	-	3000	3000	6000	T	T
	32A	T	T	T	T	-	-	2000	5000	T	T
	40A	4000	T	T	T	-	-	2000	5000	T	T
	50A	4000	4000	T	T	-	-	-	4000	8000	T
	63A	3000	3000	T	T	-	-	-	4000	8000	T

		m.c.c.b. upstream							
		DPX³ 250 DPX³ 250 + diff (Thermal-Magnetic & electronic)					DPX 400AB		DPX / H / L 630 (Thermal-Magnetic & electronic)
		25 - 36 – 50 - 70kA					36kA		36 – 70 - 100kA
m.c.b. downstream		40A	100A	160A	200A	250A	320A	400A	160 to 630A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	T	T	T	T	T	T	T	T
	10A	T	T	T	T	T	T	T	T
	13A	8000	T	T	T	T	T	T	T
	16A	6000	T	T	T	T	T	T	T
	20A	5000	T	T	T	T	T	T	T
	25A	4000	T	T	T	T	T	T	T
	32A	-	T	T	T	T	T	T	T
	40A	-	T	T	T	T	T	T	T
	50A	-	4000	8000	T	T	T	T	T
	63A	-	4000	8000	T	T	T	T	T

. T = Total discrimination

5. GENERAL CHARACTERISTICS *(continued):*

Selectivity between M.C.Bs and M.C.C.Bs (Moulded Case Circuit Breakers):

. Selectivity limit at 400V~: values in Ampere.

		m.c.c.b. upstream	
		DPX / H / L 1250	DPX / H 1600 (electronic)
		36 – 70 - 100kA	36 – 70kA
m.c.b. downstream		500 to 1250A	630 to 1600A
DX³ 10000A B, C and D Curves (D curve no In=13A)	≤6A	**T**	**T**
	10A	**T**	**T**
	13A	**T**	**T**
	16A	**T**	**T**
	20A	**T**	**T**
	25A	**T**	**T**
	32A	**T**	**T**
	40A	**T**	**T**
	50A	**T**	**T**
	63A	**T**	**T**

. T = Total discrimination

6. COMPLIANCE AND APPROVALS

In accordance with standards:

. IEC/EN 60898-1 with 10000 A breaking capacity
. IEC/EN 60947-2 with 16 kA breaking capacity
. CEE guidelines : 73/23/CEE + 93/68/CEE
. Legrand circuit-breakers can be used under the conditions of use as defined by EN/IEC 60947.
. The performance of circuit breakers can be influenced by particular climates: hot dry, cold dry, hot humid, salt fog atmosphere

Classification according to Annex Q (standard IEC/EN 60947-1) :

. Category C with a range test temperature -25 °C / +70 °C
. salt fog atmosphere according IEC 60068-2-52

Environment respect – Compliance with CEE directives:

. Compliance with Directive 2002/95/EC of 27/01/03 called "RoHS" which provides for the banning of hazardous substances such as lead, mercury, cadmium, hexavalent chromium, brominated flame retardants polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) from 1st July 2006
. Compliance with Directive 91/338/CEE of 18/06/91 and Decree 94-647 of 27/07/04

Plastic materials :

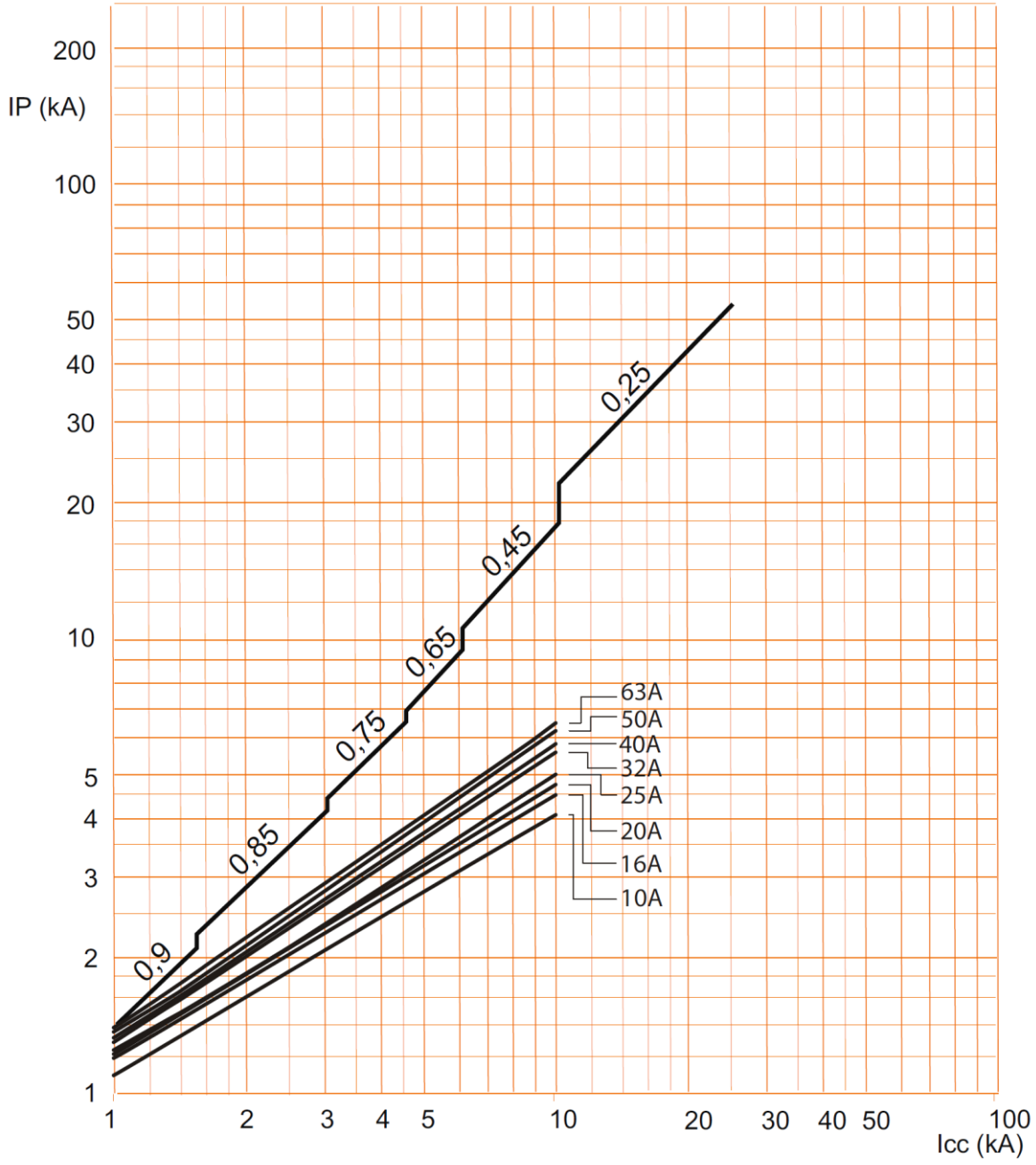
. Halogens-free plastic materials.
. Marking of parts according to ISO 11469 and ISO 1043.

Packaging:

. Design and manufacture of packaging in accordance with Decree 98-638 of 07.20.98 and Directive 94/62/EC

7. CHARACTERISTIC CURVES

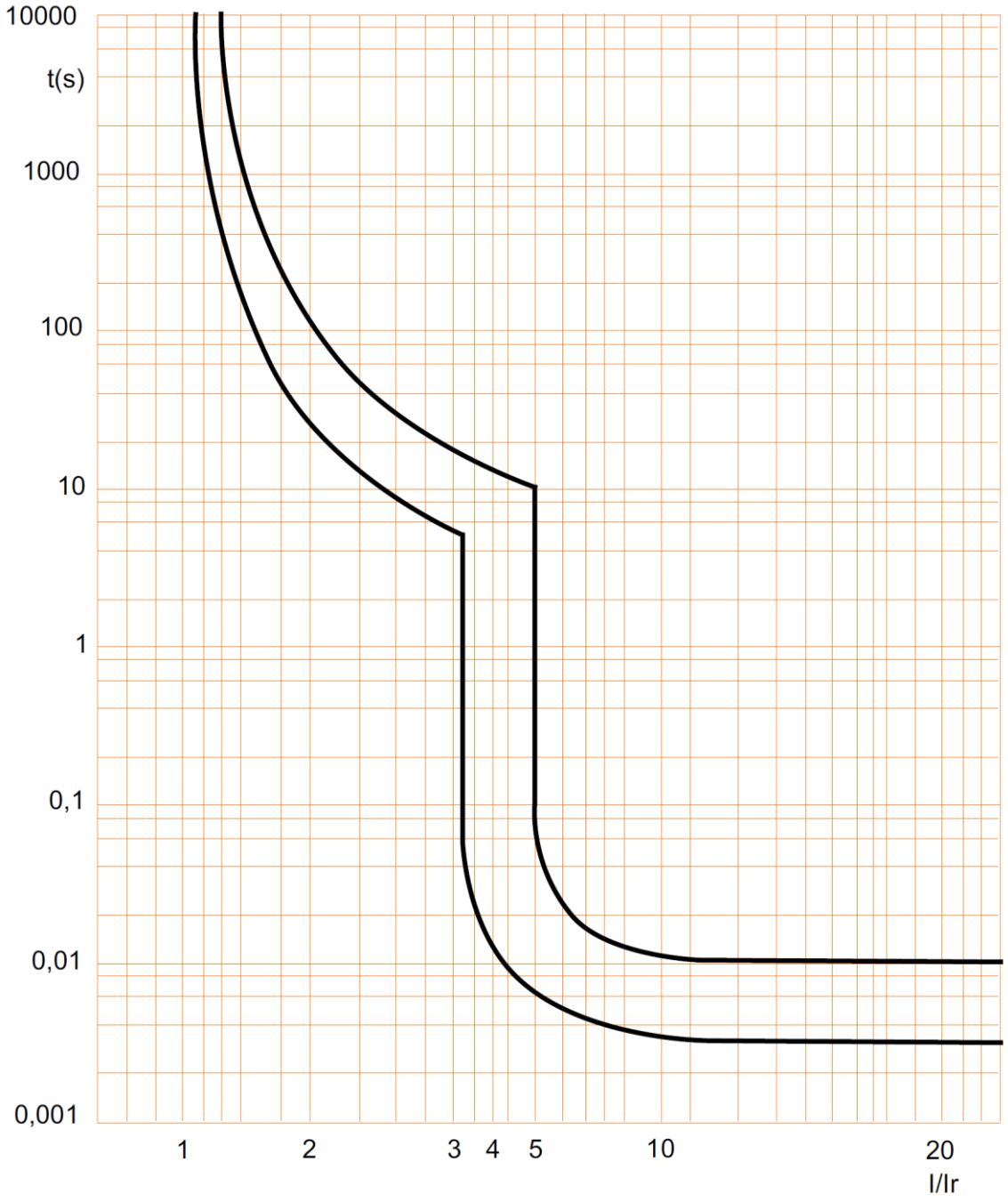
Limiting current curve: circuit breakers B and C curves:



. Icc = Square value of symmetric component of the short circuit current (kA).
. IP = Max peak value (kA)

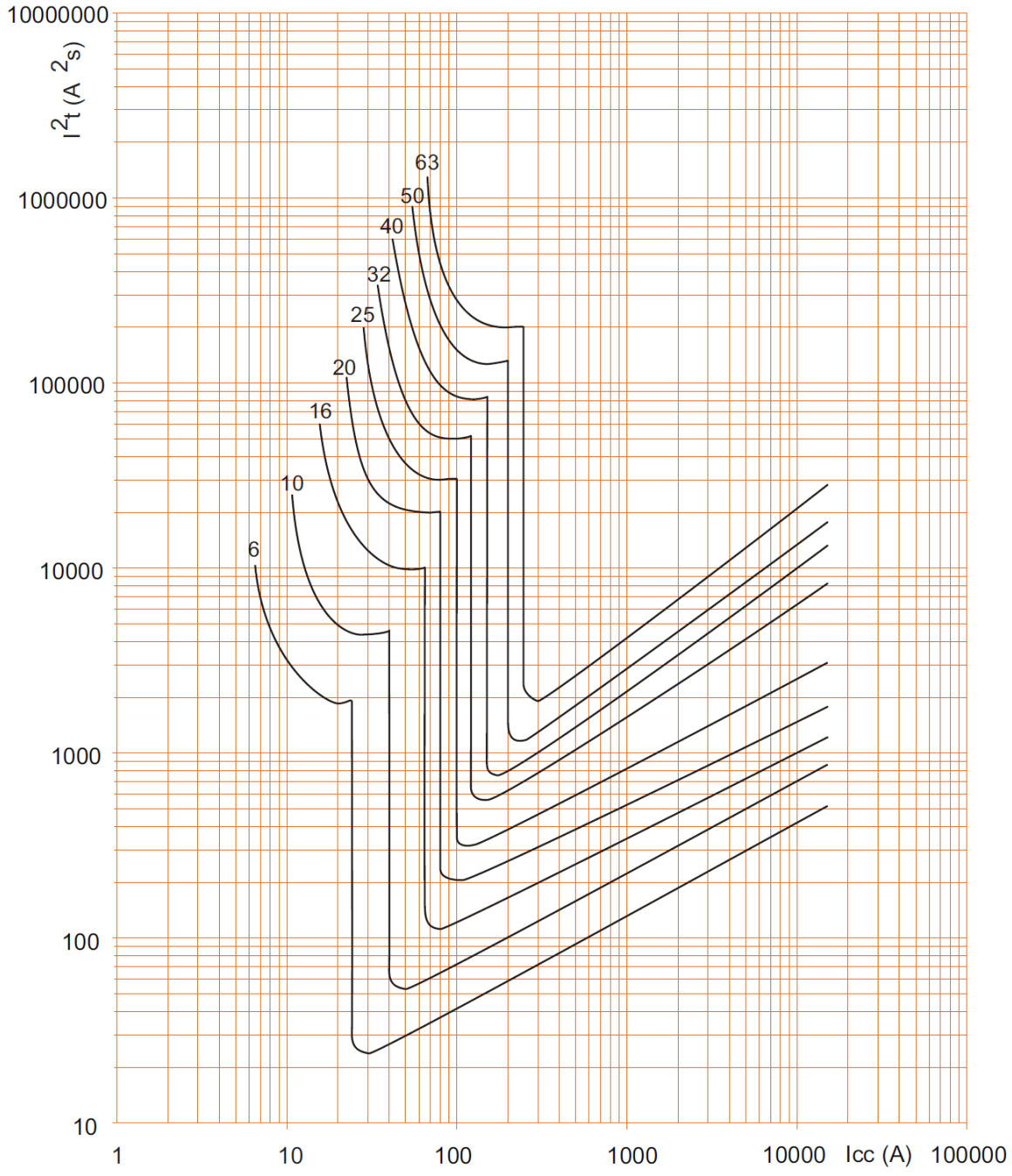
7. CHARACTERISTIC CURVES *(continued)*

Operating characteristic of circuit breakers B curve:



7. CHARACTERISTIC CURVES *(continued)*

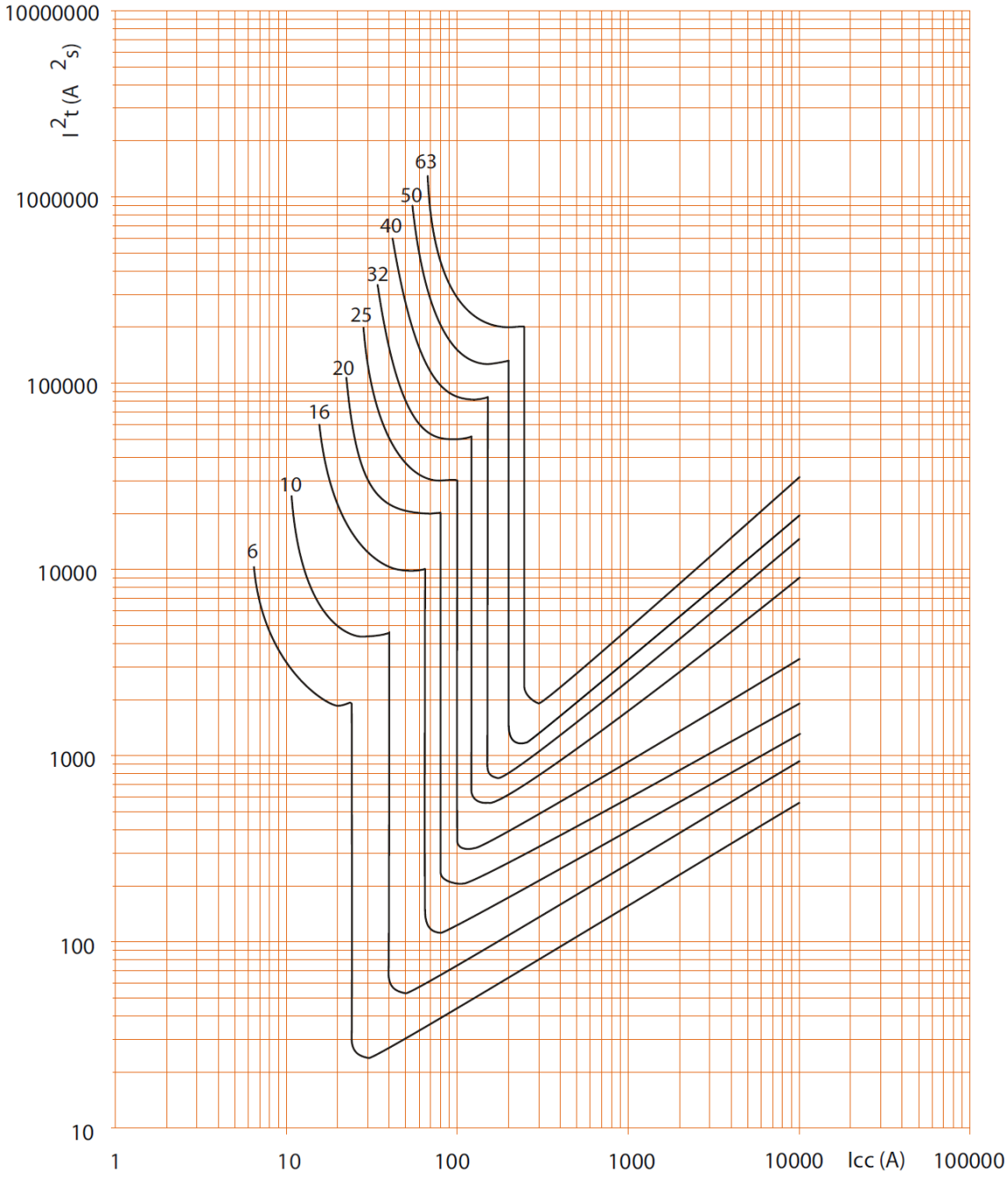
. Limiting thermal energy curve of circuit breakers B curve, 2P (230V~ / 50Hz):



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

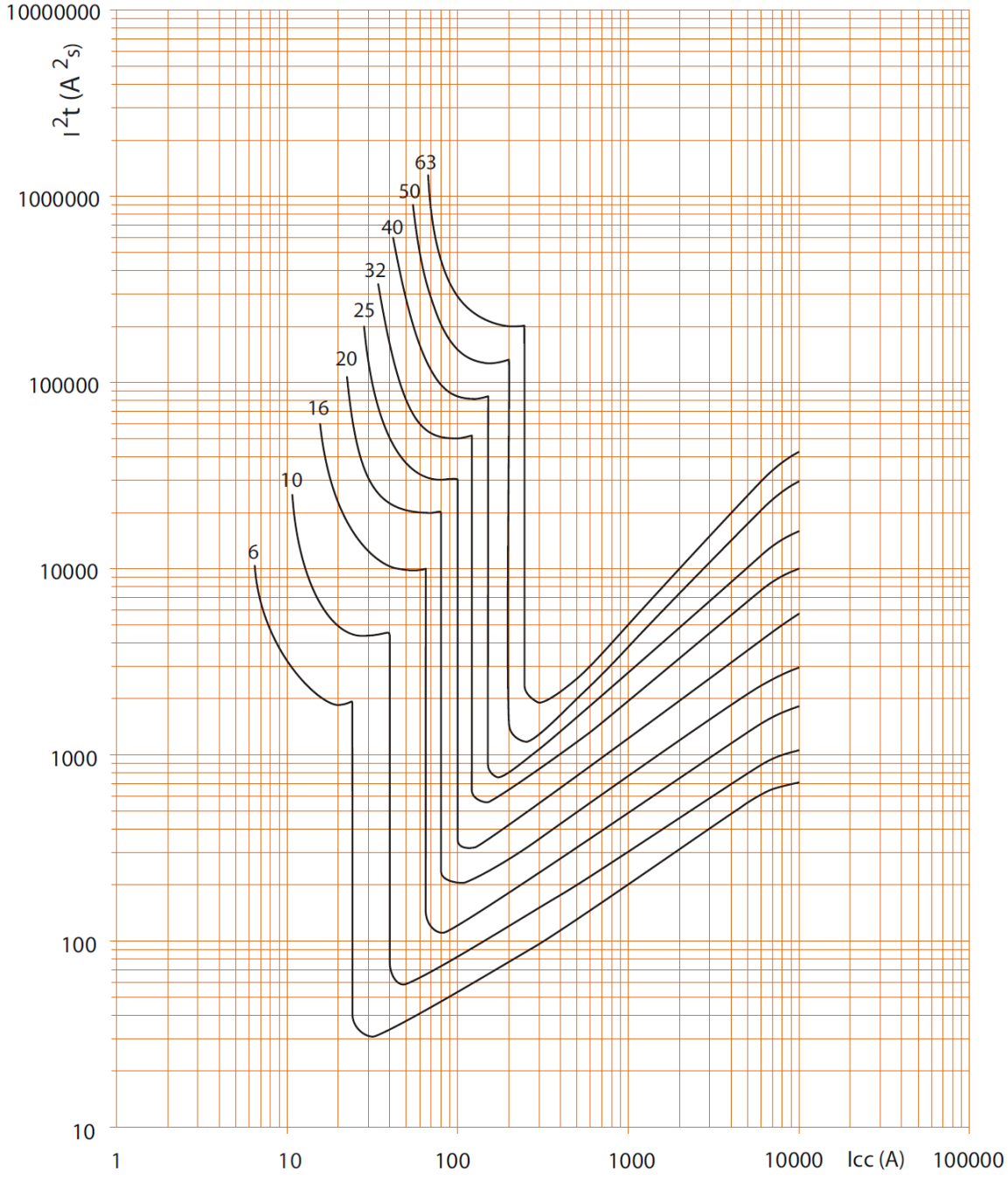
. Limiting thermal energy curve of circuit breakers B curve, 2P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

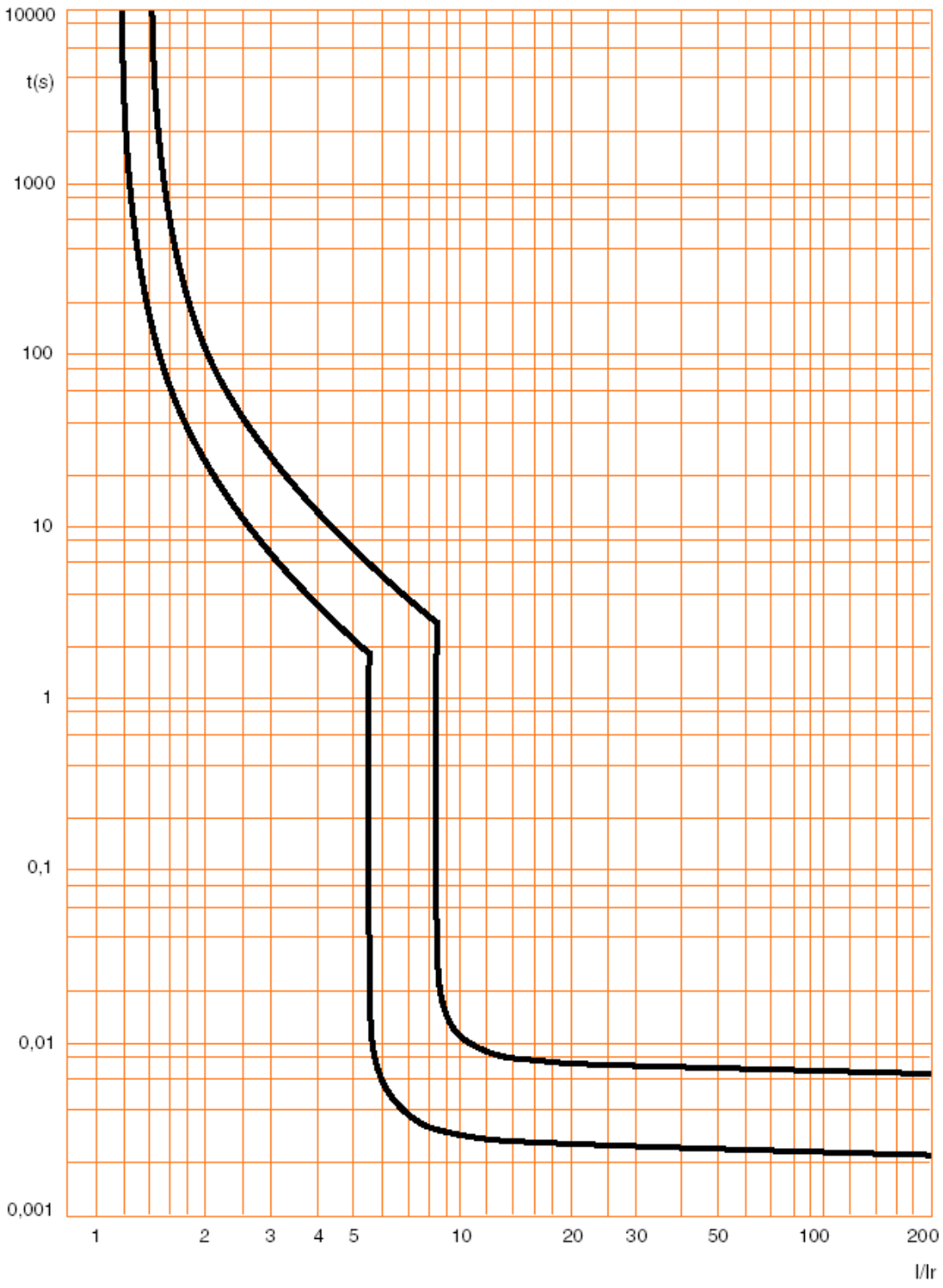
. Limiting thermal energy curve of circuit breakers B curve, 3P / 4P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

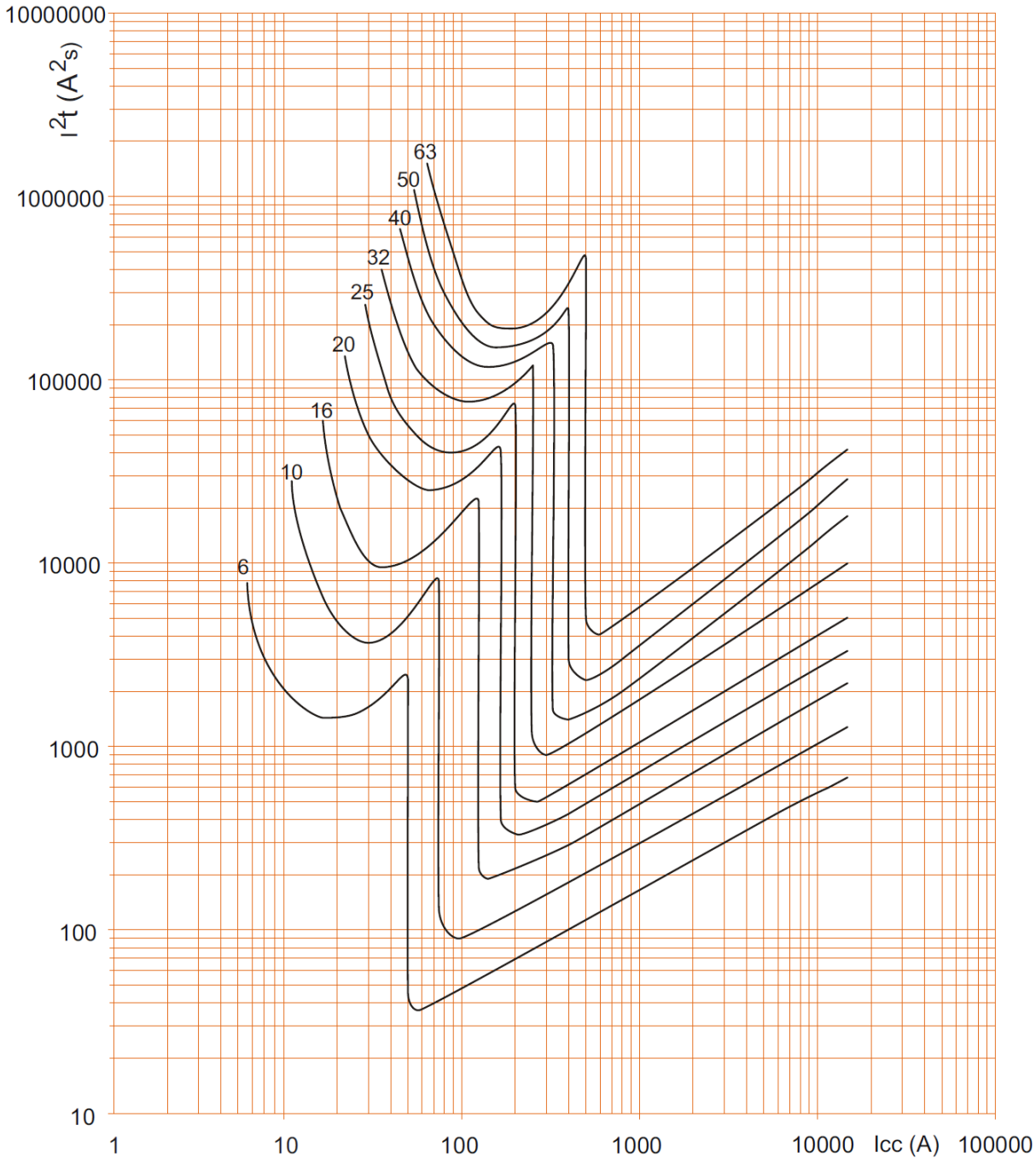
7. CHARACTERISTIC CURVES *(continued)*

Operating characteristic of circuit breakers C curve:



7. CHARACTERISTIC CURVES *(continued)*

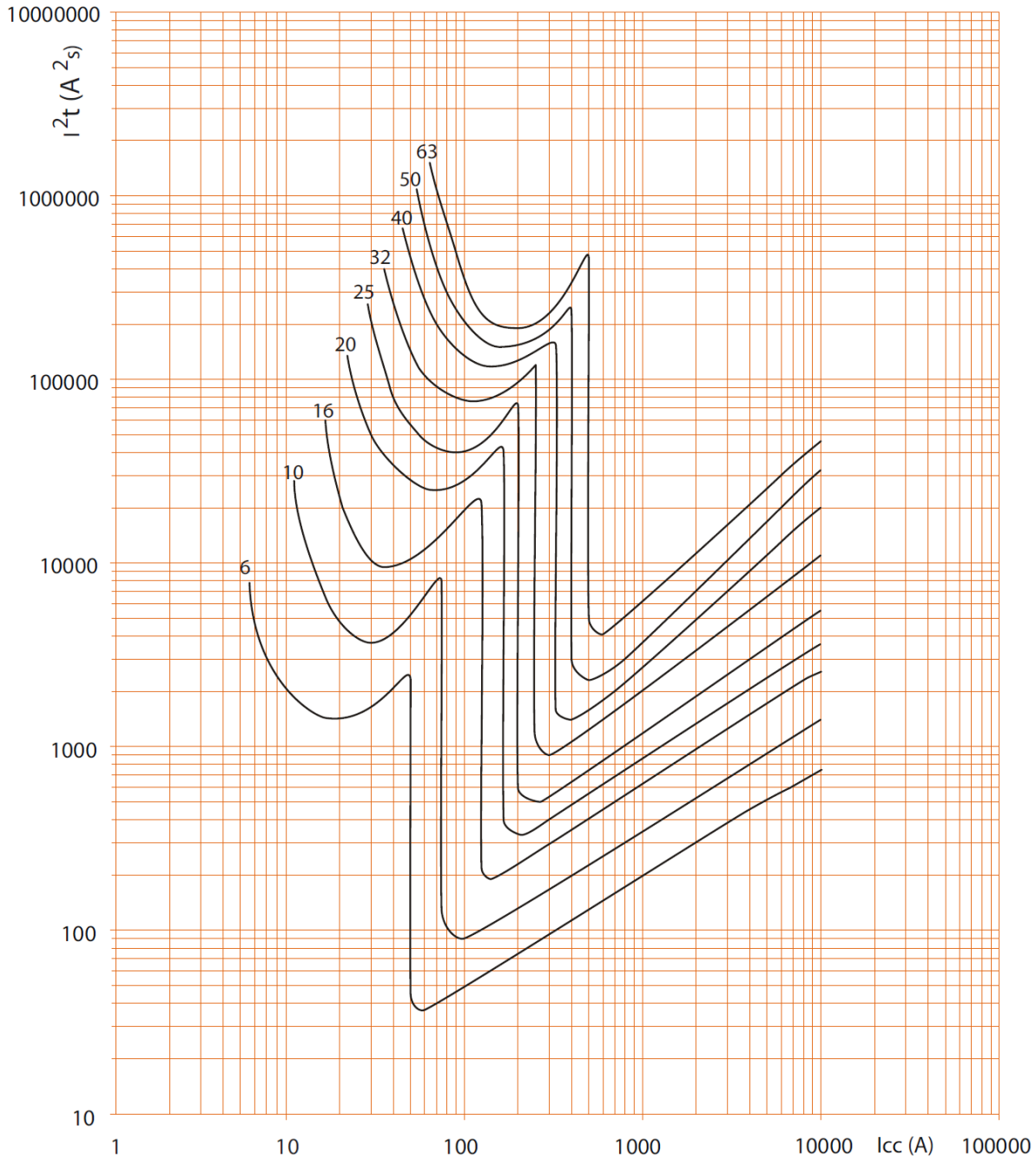
. Limiting thermal energy curve of circuit breakers C curve , 2P (230V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

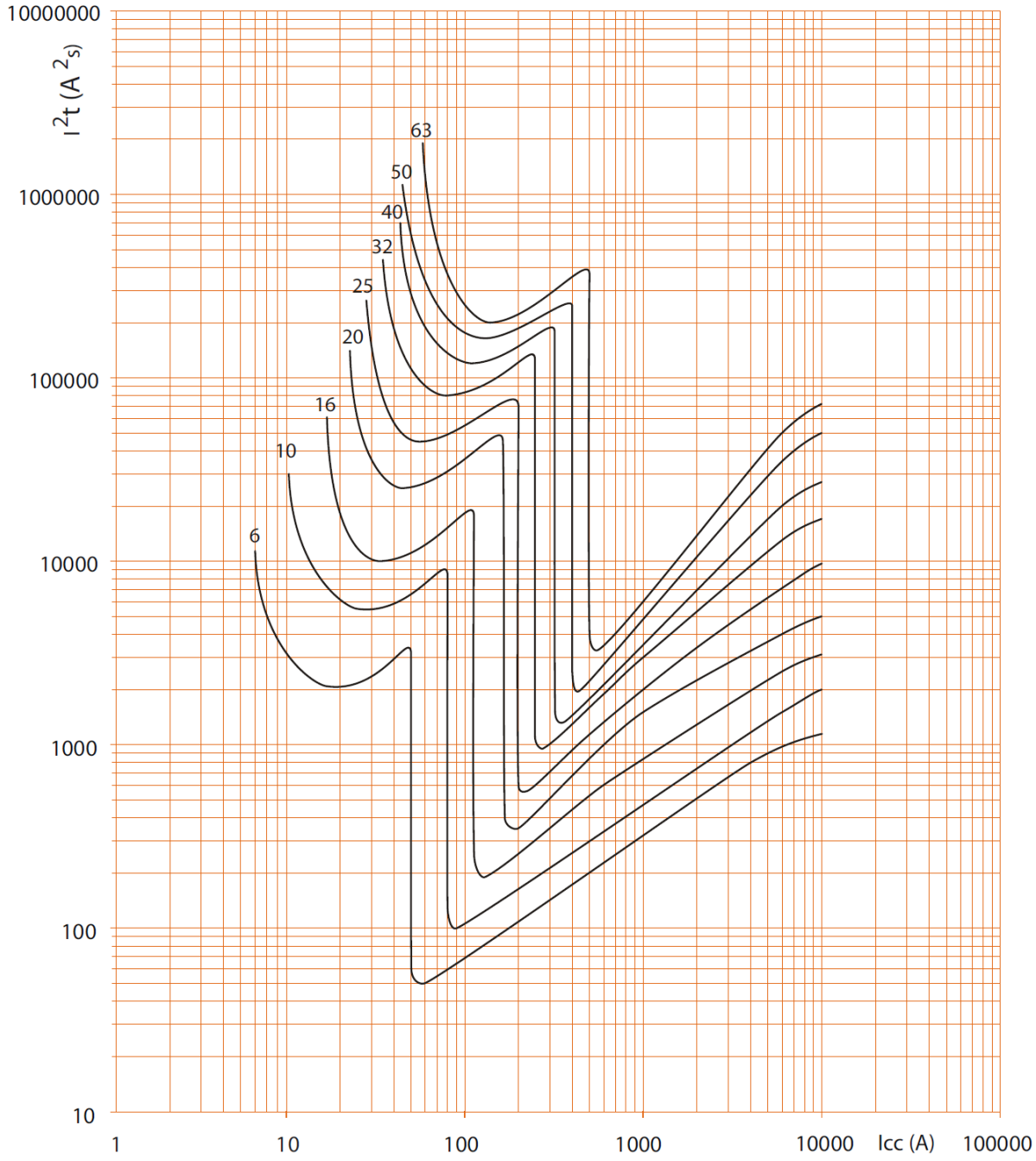
. Limiting thermal energy curve of circuit breakers C curve , 2P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

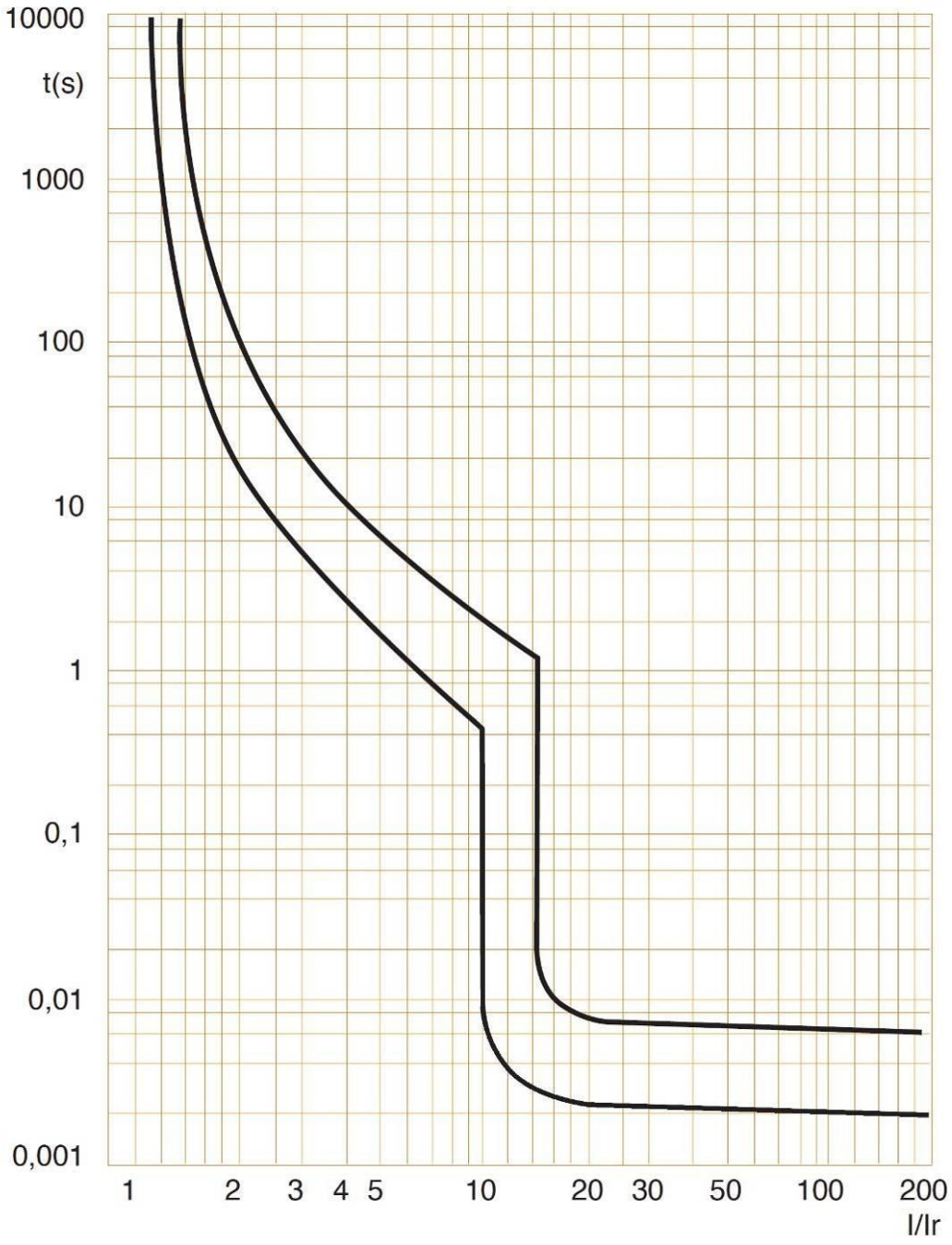
. Limiting thermal energy curve of circuit breakers C curve , 1P / 3P / 4P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

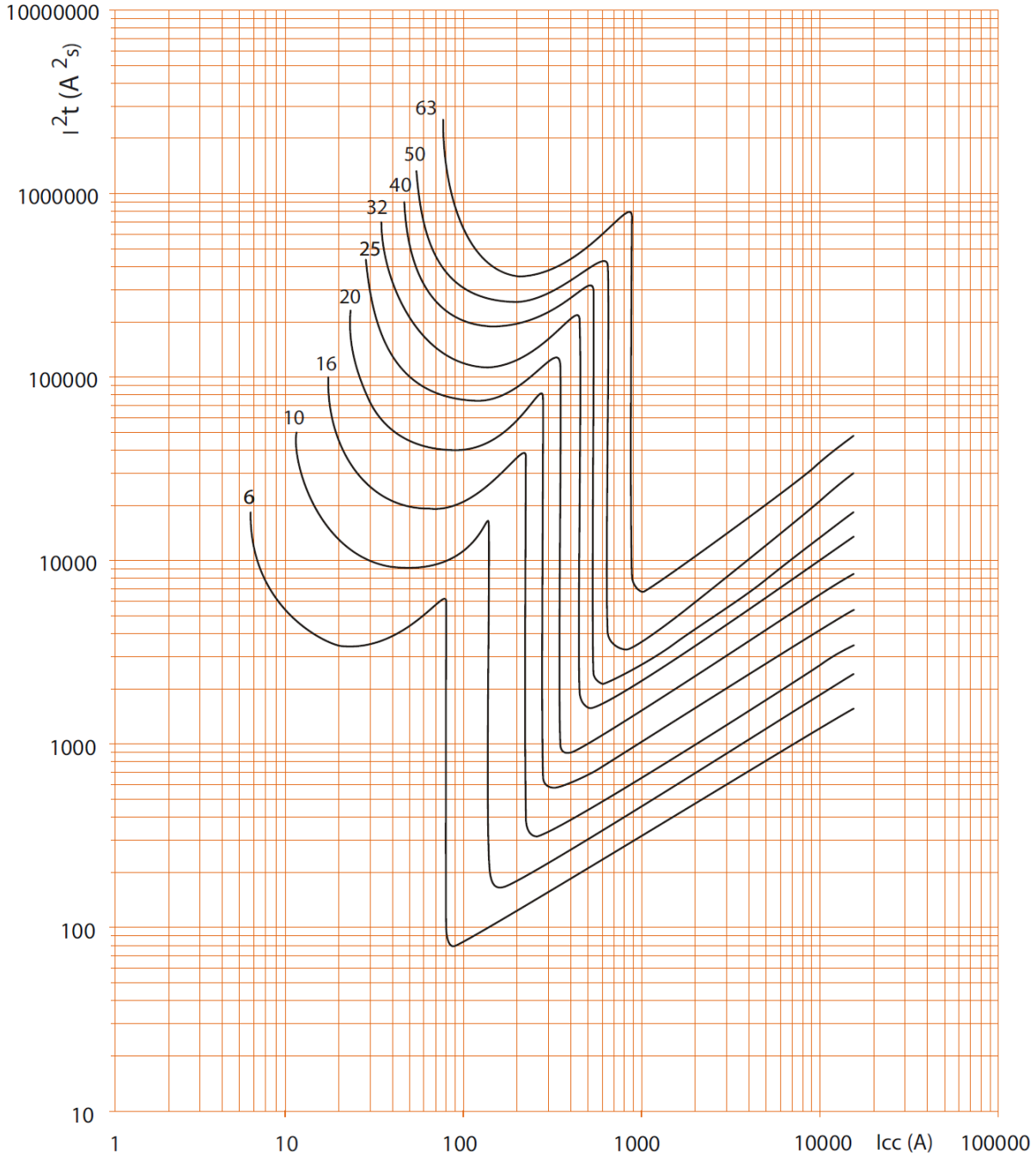
7. CHARACTERISTIC CURVES *(continued)*

Operating characteristic of circuit breakers D curve:



7. CHARACTERISTIC CURVES *(continued)*

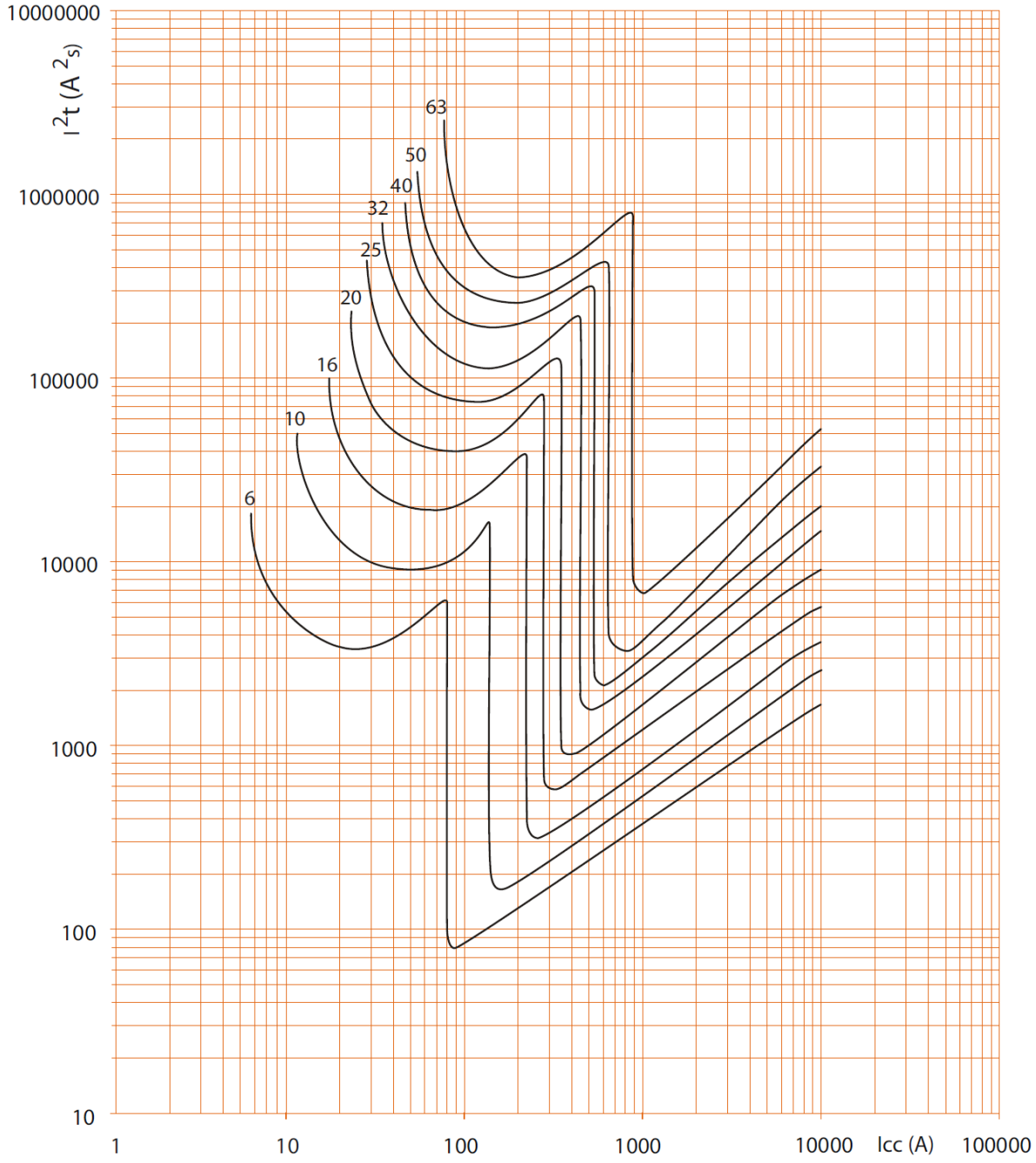
. Limiting thermal energy curve of circuit breakers D curve , 2P (230V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

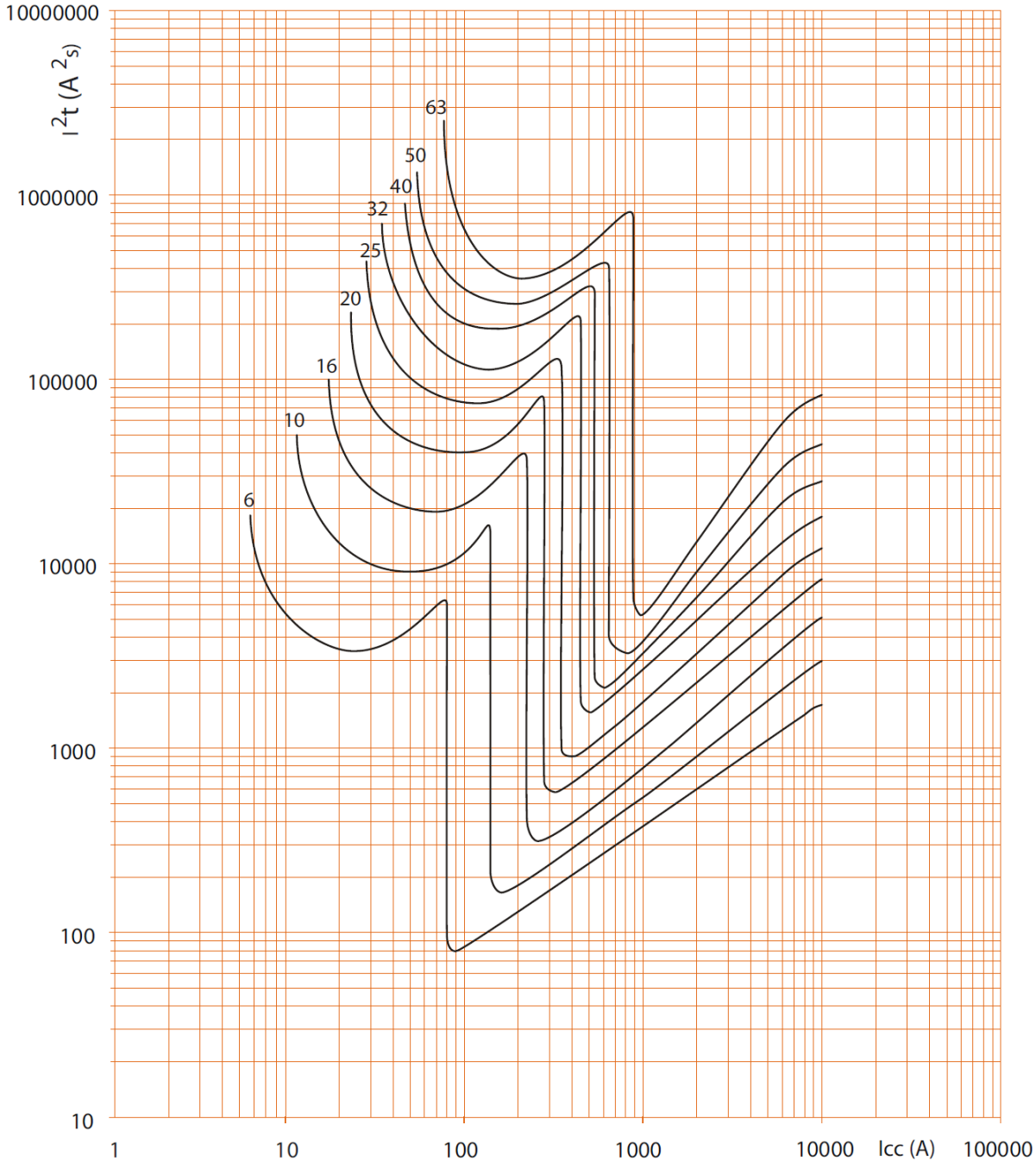
. Limiting thermal energy curve of circuit breakers d curve , 2P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

7. CHARACTERISTIC CURVES *(continued)*

. Limiting thermal energy curve of circuit breakers D curve , 1P / 3P / 4P (400V~ / 50Hz) :



. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

8. AUXILIARIES AND ACCESSORIES

Coupling with RCD add-on modules up to 63A:

	r.c.d.		
m.c.b.	2P	3P	4P
2P	X	-	-
3P	-	X	-
4P	-	-	X

Wiring accessories:

. Fork busbar (on lower side only)
. Pin busbar HX³ traditional.
. Sealable screw cover (cat n° 4 063 04).
. Insulating shields (cat n° 4 063 05)
. Dispatcher row Lexiclic
. Dispatcher row HX³.

Signal auxiliaries:

. Auxiliary contact (½ module – cat n° 4 062 58).
. Fault signalling changeover switch (½ module – cat n° 4 062 60).
. Auxiliary contact modifiable in default signal (½ module – cat n° 4 062 62).
. Auxiliary contact + fault signalling switch - can be modified to 2 auxiliary contacts (1 module - cat n° 4 062 66).

Signalling auxiliaries - prong busbar adapted:

. Auxiliary contact (½ module – cat n° 4 062 58).
. Fault signalling changeover switch (½ module – cat n° 4 062 60).
. Auxiliary contact modifiable in default signal (½ module – cat n° 4 062 62).
. Auxiliary contact + fault signalling switch - can be modified to 2 auxiliary contacts (1 module - cat n° 4 062 66).

Control auxiliaries:

. Shunt releases (1 module - cat n°.4 062 76 /78).
. Under voltage release (1 module - cat n° 4 062 80 /82).
. Overvoltage release POP (1 module - cat n° 4 062 86)
. Autonomous shunt trip for NC push-button (1 module - cat n°. 4 062 84 / 87).

Motor driven control modules

. Motor driven control 24-48V / 230V (1 module – cat n° 4 062 90 /91)
. Motor driven control module with automatic resetting integrated (2 modules – cat n° 4 062 93 /95)

Possible combinations of m.c.b and auxiliaries:

. Only the association of an MCB with signal auxiliaries guarantees the functionality of the “Great Dispatcher” DIN rail clamp.
. Auxiliaries are clipped on the left of the m.c.b.
. Maximum number of auxiliaries for one circuit-breaker: 3.
. Two signalling auxiliaries max. (cat. n° 4 062 50 /52 /56 /64).
. Only one control auxiliary (cat. n° 4 062 76 / 78 / 80 / 82 / 84 / 86 /87).
. One remote motor driven remote control
. If signalling and control auxiliaries are associated on the same circuit breaker, the command auxiliary must be placed to the left of the signal auxiliary

8. AUXILIARIES AND ACCESSORIES *(continued)*

Front external rotary handle

. Black handle (cat n° 4 063 19)
. Yellow and red handle (cat n° 4 063 20)

Supply Invertor

. Manual supply invertor for 2P devices (cat. n° 4 063 14)

Sealing:

. Possible in ″Open″ position (OFF) or ″Close″ position (ON).

Locking:

. By 5 mm padlock (cat. N° 4 063 13) or 6 mm padlock (cat. N° 0 227 97) with padlock support (cat. N° 0 044 42) in “Open” position (OFF).

Installation software:

. XL PRO³