

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53



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1. DESCRIPTION - USE:

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

Symbol:



Technology:

. Energy limiting circuit-breaker
. 1 Module (17,8 mm) per pole

2. RANGE

Polarity:

. 1P / 1P+N (only type C) / 2P / 3P / 4P

Rated currents, In:

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

Instantaneous tripping characteristics according to IEC/EN 60898-1:

. B type
. C type
. D type

Time-current characteristic according to IEC/EN 60898-1:

. Reference temperature: 30°C
. Non-tripping current (Int): 1,13 In.
. Tripping current (It): 1,45 In.

Instantaneous tripping characteristics according to IEC/EN 60947-2:

. B type = 4 In +/- 20%
. C type = 7 In +/- 20%
. D type = 12,5 In +/- 20%

Time-current characteristic according to IEC/EN 60947-2:

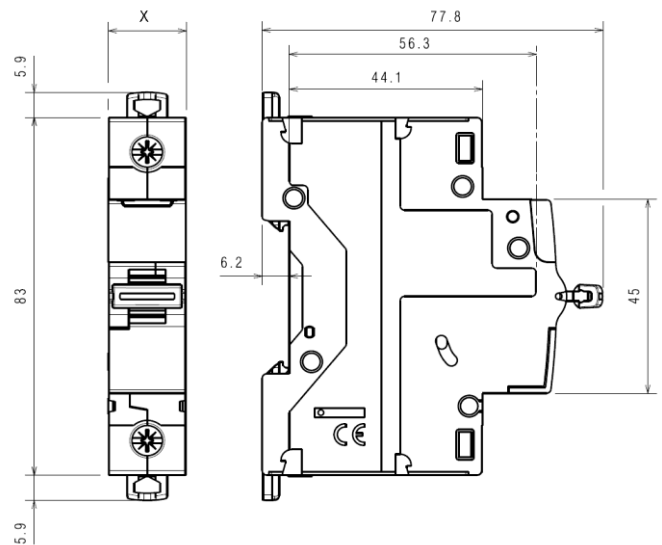
. Reference temperature: 50°C
. Non-tripping current: 1,05 In.
. Tripping current: 1,3 In.

Breaking capacity and Rated voltage (50/60 Hz):

. 6000 A according to IEC/EN 60898-1
230 V ~ / 400 V~

. 10 kA cat. A according to IEC/EN 60947-2
240 V ~ / 415 V~

3. OVERALL DIMENSIONS:



	X
1P	17.8 mm
2P	35.6 mm
3P	53.4 mm
4P	71.2 mm

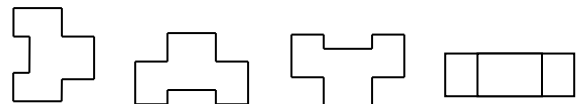
4. PREPARATION - CONNECTION

Fixing:

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

Operating positions:

. Vertical Horizontal Upside down On the side



Power supply:

. From the top or the bottom.

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4. PREPARATION - CONNECTION *(continued)*

Connection:

. Inputs and outputs via screw-type 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 terminals: Pozidriv n°2 or flat screwdriver 5,5 mm (6 mm maximum).

. For fixing: flat screwdriver 5,5 mm (6 mm maximum).

Connectable section:

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

Aluminium cable with cross-section > 10 mm²: it is necessary to use the accessory with cat. N° 4 063 10.

Manual operation of the MCB:

. Ergonomic 2-position handle

. "I-ON": Device closed

. "O-OFF": Device open

Contact status display:

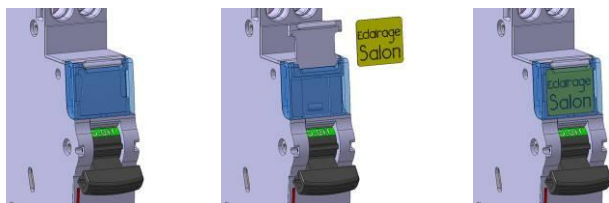
. By marking of the handle

- "O-OFF" in white on a green background = contacts open

- "I-ON" in white on a red background = contacts closed

Labelling:

. Identification of the circuit by insertion of a label in the label holder.



5. GENERAL CHARACTERISTICS:

Marking on the front side:

. By permanent ink pad printing:

- Trade name: DX³
- Tripping curve. [W]
- Rated current (in A) [XX].
- I_{cn} in A rated breaking capacity according to IEC/EN 60898-1 (in a rectangle) [####]
- Energy limiting class "3" according to EN 60898-1 (in a square)
- Trademark: Legrand.
- Redline.
- Line + dot logo.
- Reference. [YYYY YY]



Marking on the side:

- Production information and COPY-TRACER (The Copytracer number ensures that a product is traced and guarantees its production quality).
Info: <http://www.legrand-copytracer.com/>

Short-circuit breaking capacity:

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

Un		1P / 1P+N	2P	3P / 4P
110 V~	I _{cn}	10000 A	16000 A	-
230V~		6000 A	10000 A	10000 A
400V~		-	6000 A	6000 A

Un		1P / 1P+N	2P	3P / 4P
110 V~	I _{cs}	75% of I _{cn}	75% of I _{cn}	75% of I _{cn}
230V~		75% of I _{cn}	75% of I _{cn}	75% of I _{cn}
400V~		75% of I _{cn}	75% of I _{cn}	75% of I _{cn}

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

Un		1P / 1P+N	2P	3P / 4P
110 V~	I _{cu}	16 kA	25 kA	-
230V~		10 kA	16 kA	16 kA
400V~		-	10 kA	10 kA

Un		1P / 1P+N	2P	3P / 4P
110 V~	I _{cs}	75% of I _{cu}	75% of I _{cu}	75% of I _{cu}
230V~		75% of I _{cu}	75% of I _{cu}	75% of I _{cu}
400V~		75% of I _{cu}	75% of I _{cu}	75% of I _{cu}

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5. GENERAL CHARACTERISTICS *(continued)*

Short-circuit breaking capacity on one pole:

- . Three-phase network 400 V~
 - in TN neutral system, Icn1 = 6 kA
 - in IT distribution system, Iit = 3 kA
- . Three-phase network 230 V~
 - in TN neutral system, Icn1 = 10 kA
 - in IT distribution system, Iit = 6 kA

Minimum operating voltage:

- . 12 V.

Rated impulse withstand voltage:

- . Uimp = 4 kV

Insulation rated voltage:

- . Ui = 500 V

Pollution degree:

- . 2 according to IEC/EN 60898-1.
- . 3 according to IEC/EN 60947-2.

Resistance to environmental conditions:

- . according to IEC/EN 60068-2-30 (55° C, 90% RH)
- . severity 2 (marine environment) in accordance with standard IEC/EN 60068-2-52.

Dielectric strength at power frequency:

- . 2500 V

Operation at 400Hz:

- . The instantaneous tripping threshold increase by 45%.

Force necessary to close and to open by the handle:

- . 0.1 Nm per pole to close.
- . 0.075 Nm per pole to open.

Mechanical and electrical endurance:

- . 20000 operations without load.
- . 10000 operations with load (under $I_n \cdot \cos \phi = 0,9$).

Enclosure material:

- . Glow-wire test at 960°C according to IEC/EN 60898-1 and IEC 60695-2-12
- . Halogens-free

Average weight per pole:

- . 0,150 kg.

5. GENERAL CHARACTERISTICS *(continued)*

Volume when packed:

	Volume (dm ³)
1P	0,163
2P	0,334
3P / 4P	0,680

Ambient operating temperature:

- . Min. = -25°C. Max. = +70°C

Ambient storage temperature:

- . Min. = -40°C. Max. = +70°C

Degree of protection:

- . Degree of protection in the terminals area: IP 20, (in accordance with standards IEC/EN 60898-1 and IEC/EN 60529).
- . Degree of protection of the remaining parts: IP 40 (in accordance with standards IEC/EN 60529).
- . Protection index against mechanical shocks: IK 02 (in accordance with standards IEC/EN 62262).

Sinusoidal vibration resistance in accordance with IEC/EN 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

Power dissipated per pole (W):

- . Type B Circuit-breakers

In	2 A	6 A	10 A	16 A	20 A	25 A	32 A
1P ÷ 4P	2	1,1	1,8	2	2,2	2,7	3,2

In	40 A	50A	63A
1P ÷ 4P	4	4,5	5,5

- . Type C and D Circuit-breakers

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

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

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

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5. GENERAL CHARACTERISTICS *(continued)*:

Derating of circuit-breakers according to ambient temperature:

. The rated current of a circuit-breaker is 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

In (A)	Ambient Temperature / In									
	- 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: 50°C in accordance with IEC/EN 60947-2

In (A)	Ambient Temperature / In									
	- 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	0.58	0.56	0.54	0.52	0.5	0.48	0.45
1	1.76	1.6	1.5	1.4	1.3	1.2	1.1	1	0.95	0.9
1.5	2,2	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.4
2	3,3	3.0	2.8	2.6	2.5	2.3	2.2	2	2	1.9
3	4,5	4.1	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.8
3.5	5.3	4.9	4.5	4.2	4.0	3.9	3.7	3.5	3.4	3.3
5	7.7	7.0	6.4	6.0	5.8	5.5	5.3	5.0	4.8	4.7
6	9	8.2	7.5	7.0	6.6	6.4	6.2	6.0	5.8	5.6
10	14.6	13.3	12.5	11.5	11.1	10.7	10.3	10.0	9.7	9.3
13	20	18.2	16.3	15.0	14.3	13.9	13.4	13.0	12.6	12.1
16	23.5	21.4	20.0	18.7	18.0	17.3	16.6	16.0	15.4	14.7
20	29.3	26.7	25.0	23.2	22.4	21.6	20.8	20.0	19.2	18.4
25	37	33.7	31.5	29.5	28.3	27.2	26.0	25.0	24.0	22.7
30	44.9	40.9	38.3	36.0	34.5	33.0	31.5	30.0	28.8	27.3
32	48.1	43.8	41.0	37.8	36.5	34.9	33.3	32.0	30.7	29.1
40	59.9	54.5	51.0	48.0	46.0	44.0	42.0	40.0	38.0	36.0
50	75.2	68.4	64.0	60.0	57.5	55.0	52.5	50.0	47.5	45.0
63	94.8	86.2	80.6	75.6	72.5	69.9	66.1	63.0	59.8	56.1

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

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5. GENERAL CHARACTERISTICS *(continued)*:

Use of circuit-breakers in circuits including 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 be taken 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
Dielectric strength	3000 V	2500 V	2000 V
Max operational Voltage	400 V	400 V	400 V
Derating at 30°C	none	none	none

Correction factor for the rated current in case of devices installed side by side:

When several circuit-breakers are installed side by side and operate simultaneously, the thermal evacuation of the poles is limited. This results in an increased operating temperature of the circuit-breakers which can cause unwanted trippings. To avoid unwanted trippings, it is recommended to apply the following correction factors to the rated currents.

Number of circuit-breakers installed side by side	Correction factor
2 - 3	0.9
4 - 5	0.8
6 - 9	0.7
≥ 10	0.6

These values are recommended by IEC/EN 60439-1.

To avoid using correction factors, it is necessary to allow a good ventilation and to separate the devices with 0.5 module spacing elements (cat. N° 4 063 07).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between circuit-breakers and fuses, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

circuit-breaker downstream		Fuse upstream										
		gG Type										
		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A	
DX ³ 6000/10kA B, C and D Curves	≤6A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	10A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	16A	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	20A	-	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	25A	-	-	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	32A	-	-	-	-	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	40A	-	-	-	-	-	100kA	100kA	100kA	100kA	100kA	40kA
	50A	-	-	-	-	-	-	100kA	100kA	100kA	100kA	40kA
	63A	-	-	-	-	-	-	100kA	100kA	100kA	100kA	40kA

circuit-breaker downstream		Fuse upstream										
		aM Type										
		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A	
DX ³ 6000/10kA B, C and D Curves	≤6A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	10A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	16A	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	20A	-	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	25A	-	-	-	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	32A	-	-	-	-	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	40A	-	-	-	-	-	100kA	100kA	100kA	100kA	100kA	40kA
	50A	-	-	-	-	-	-	100kA	100kA	100kA	100kA	40kA
	63A	-	-	-	-	-	-	100kA	100kA	100kA	100kA	40kA

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

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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

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5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		B and C Curves							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	16kA	16kA	16A	16kA	16kA	16kA	16kA	16kA
	10A	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

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		B and C Curves							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	16kA	16kA	16kA	16kA	16kA	16kA	16kA	16kA
	10A	16kA	16kA	16kA	16kA	16kA	16kA	16kA	16kA
	16A	-	16kA	16kA	16kA	16kA	16kA	16kA	16kA
	20A	-	-	16kA	16kA	16kA	16kA	16kA	16kA
	25A	-	-	-	16kA	16kA	16kA	16kA	16kA
	32A	-	-	-	-	16kA	16kA	16kA	16kA
	40A	-	-	-	-	-	16kA	16kA	16kA
	50A	-	-	-	-	-	-	16kA	16kA
	63A	-	-	-	-	-	-	-	16kA

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	16kA	16kA	16kA	16kA	16kA	16kA	16kA	16kA
	10A	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

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	16kA	16kA	16kA	16kA	16kA	16kA	16kA	16kA
	10A	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

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream							
		DX ³ 25kA							
		B and C Curves							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	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

		circuit-breaker upstream							
		DX ³ 25kA							
		B and C Curves							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	-	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	-	-	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream							
		DX ³ 25kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	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

		circuit-breaker upstream							
		DX ³ 25kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	-	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	-	-	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream										
		DX ³ 36kA						DX ³ 50kA				
		C Curve						B,C and D Curves				
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX ³ 6000/10kA B and C Curves	≤6A	36kA	36kA	36kA	36kA	36kA	36kA	50kA	50kA	50kA	50kA	50kA
	10A	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	-	-	-	-	-

		circuit-breaker upstream										
		DX ³ 36kA						DX ³ 50kA				
		C Curve						B and C Curves				
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX ³ 6000/10kA D Curve	≤6A	36kA	36kA	36kA	36kA	36kA	36kA	50kA	50kA	50kA	50kA	50kA
	10A	36kA	36kA	36kA	36kA	36kA	36kA	50kA	50kA	50kA	50kA	50kA
	16A	-	36kA	36kA	36kA	36kA	36kA	-	50kA	50kA	50kA	50kA
	20A	-	-	36kA	36kA	36kA	36kA	-	-	50kA	50kA	50kA
	25A	-	-	-	36kA	36kA	36kA	-	-	-	50kA	50kA
	32A	-	-	-	-	36kA	36kA	-	-	-	-	50kA
	40A	-	-	-	-	-	36kA	-	-	-	-	-
	50A	-	-	-	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-	-	-	-

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between modular circuit-breakers, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		circuit-breaker upstream				
		DX ³ 50kA				
		D Curve				
circuit-breaker downstream		≤25A	32A	40A	50A	63A
DX ³ 6000/10kA D Curve	≤6A	50kA	50kA	50kA	50kA	50kA
	10A	50kA	50kA	50kA	50kA	50kA
	16A	50kA	50kA	50kA	50kA	50kA
	20A	50kA	50kA	50kA	50kA	50kA
	25A	-	50kA	50kA	50kA	50kA
	32A	-	-	50kA	50kA	50kA
	40A	-	-	-	50kA	50kA
	50A	-	-	-	-	50kA
	63A	-	-	-	-	-

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

		m.c.c.b. upstream											
		DPX 125						DPX 125					
		16kA						25kA					
circuit-breaker downstream		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	100A	125A
DX ³ 6000/10kA B, C and D Curves	≤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
	1		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							DPX ³ 160 / DPX ³ 160 + diff.						
		36kA							16kA						
circuit-breaker downstream		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤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
	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutral) 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 ³ 160 / DPX ³ 160 + diff.							DPX 160					
		25 - 36 - 50kA							25 - 36 - 50kA					
circuit-breaker downstream		16A	25A	40A	63A	80A	100A	125A	160A	25A	40A	63A	100A	125A
DX ³ 6000/10kA B, C and D Curves	≤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
	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				DPX ³ 250 / DPX ³ 250+diff. (Thermal-magnetic & electronic)				DPX 400AB	
		25 - 36 - 50kA			36kA				25 - 36 - 50 - 70kA				36kA	
circuit-breaker downstream		100A	160A	250A	90A	130A	170A	240A	100A	160A	200A	250A	320A	400A
DX ³ 6000/10kA B, C and D Curves	≤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
	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	25kA
	32A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	40A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	20kA	20kA
	50A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	16kA	16kA
	63A	20kA	20kA	20kA	20kA	20kA	20kA	20kA	25kA	25kA	25kA	25kA	16kA	16kA

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Coordination between modular circuit-breakers and MCCBs, three-phase network (+ neutral) 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, to take the values shown in Tables 230/400V.

circuit-breaker downstream		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				
		25A	40A	63A	100A	160A	250A	250A	320A	400A	500A	630A
DX ³ 6000/10kA B, C and D Curves	≤6A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	25kA	25kA	25k	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	20kA	20kA	20kA	20kA
	50A	-	-	25kA	25kA	25kA	25kA	25kA	16kA	16kA	16kA	16kA
	63A	-	-	20kA	20kA	20kA	20kA	20kA	16kA	16kA	16kA	16kA

circuit-breaker downstream		m.c.c.b. upstream	
		DPX / H / L 1250 (Thermal -magnetic)	DPX / H 1600 (electronic)
		50 – 70 – 100kA	36 – 70kA
		500 to 1250A	630 to 1600A
DX ³ 6000/10kA B, C and D Curves	≤6A	25kA	25kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

up to 63A (1 module per pole)

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		Fuse upstream									
		gG Type									
		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤6A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	10A	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

circuit-breaker downstream		Fuse upstream									
		aM Type									
		≤20A	25A	32A	40A	50A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤6A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	40kA
	10A	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 with RCD add-on modules.

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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 10000/16kA							
		B and C Curves							
		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	25A	-	32kA	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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 10000/16kA							
		B and C Curves							
		≤25A	2A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	-	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	-	-	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	25A	-	32kA	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

		circuit-breaker upstream							
		DX ³ 10000/16kA							
		D Curve							
circuit-breaker downstream		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	32kA	32kA	25kA	25kA	25kA	25kA	25kA	25kA
	25A	-	32kA	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 25kA							
		B and C Curves							
		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	50kA	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 25kA							
		B and C Curves							
		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	50kA	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	50kA	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	16A	-	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	20A	-	-	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 25kA							
		D Curve							
		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA B and C Curves	≤6A	50kA	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	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

circuit-breaker downstream		circuit-breaker upstream							
		DX ³ 25kA							
		D Curve							
		≤25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA D Curve	≤6A	50kA	50kA	25kA	25kA	25kA	25kA	25kA	25kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 36kA						DX ³ 50kA				
		C Curve						B, C and D Curves				
		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX ³ 6000/10kA 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
	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	-	-	-	-	-

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 36kA						DX ³ 50kA				
		C Curve						B and C Curves				
		≤25A	32A	40A	50A	63A	80A	≤25A	32A	40A	50A	63A
DX ³ 6000/10kA D Curve	≤6A	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA
	10A	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA
	16A	-	50kA	50kA	50kA	50kA	50kA	-	50kA	50kA	50kA	50kA
	20A	-	-	50kA	50kA	50kA	50kA	-	-	50kA	50kA	50kA
	25A	-	-	-	50kA	50kA	50kA	-	-	-	50kA	50kA
	32A	-	-	-	-	50kA	50kA	-	-	-	-	50kA
	40A	-	-	-	-	-	50kA	-	-	-	-	-
	50A	-	-	-	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-	-	-	-

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

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

circuit-breaker downstream		circuit-breaker upstream				
		DX ³ 50kA				
		D Curve				
		≤25A	32A	40A	50A	63A
DX ³ 6000/10kA D Curve	≤6A	50kA	50kA	50kA	50kA	50kA
	10A	50kA	50kA	50kA	50kA	50kA
	16A	50kA	50kA	50kA	50kA	50kA
	20A	50kA	50kA	50kA	50kA	50kA
	25A	-	50kA	50kA	50kA	50kA
	32A	-	-	50kA	50kA	50kA
	40A	-	-	-	50kA	50kA
	50A	-	-	-	-	50kA
	63A	-	-	-	-	-

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

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		m.c.c.b. upstream											
		DPX 125						DPX 125					
		25kA						36kA					
		16A	25A	40A	63A	100A	125A	16A	25A	40A	63A	100A	125A
DX ³ 6000/10kA B, C and D Curves	≤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
	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

circuit-breaker downstream		m.c.c.b. upstream							
		DPX ³ 160 / DPX ³ 160 + diff.							
		16kA							
		16A	25A	40A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤6A	28kA	28kA	28kA	28kA	28kA	28kA	28kA	28kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

		m.c.c.b. upstream							
		DPX ³ 160 / DPX ³ 160 + diff.							
		25kA							
circuit-breaker downstream		16A	25A	40A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤6A	40kA	40kA	40kA	40kA	40kA	40kA	40kA	40kA
	10A	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							
		DPX ³ 160 / DPX ³ 160 + diff.							
		36 - 50kA							
circuit-breaker downstream		16A	25A	40A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B, C and D Curves	≤6A	50kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		m.c.c.b. upstream									
		DPX 160					DPX 160				
		25kA					36 - 50kA				
	25A	40A	63A	100A	125A	25A	40A	63A	100A	125A	
DX ³ 6000/10kA B, C and D Curves	≤6A	40kA	40kA	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA
	10A	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

circuit-breaker downstream		m.c.c.b. upstream									
		DPX 250ER			DPX 250ER			DPX 250ER AB			
		25kA			36 - 50kA			36kA			
	100A	160A	250A	100A	160A	250A	90A	130A	170A	240A	
DX ³ 6000/10kA B, C and D Curves	≤6A	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA	50kA	50kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

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

circuit-breaker downstream		m.c.c.b. upstream									
		DPX ³ 250 / DPX ³ 250+diff. (Thermal-magnetic & electronic)				DPX ³ 250 / DPX ³ 250+diff. (Thermal-magnetic & electronic)				DPX 400AB	
		25kA				36 – 50 - 70kA				36kA	
		100A	160A	200A	250A	100A	160A	200A	250A	320A	400A
DX ³ 6000/10kA B, C and D Curves	≤6A	40kA	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA	50kA
	10A	40kA	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA	50kA
	1A	40kA	40kA	40kA	40kA	50kA	50kA	50A	50kA	50kA	50kA
	20A	40kA	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA	50kA
	25A	40kA	40kA	40kA	40kA	50kA	50kA	50kA	50kA	50kA	50kA
	32A	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

circuit-breaker downstream		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					
		25A	40A	63A	100A	160A	250A	250A	320A	400A	500A	630A
DX ³ 6000/10kA B, C and D 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
	6A	50kA	50kA	50kA	50kA	50kA	50kA	5kA	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Coordination between modular circuit-breakers and M.C.C.Bs (Moulded Case Circuit-breakers), three-phase network (+ neutral) 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
circuit-breaker downstream		500 to 1250A	630 to 1600A
DX ³ 6000/10kA B, C and D Curves	≤6A	50kA	50kA
	10A	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 with RCD add-on modules.

According to the curves and ratings of circuit-breakers, attention to the instantaneous tripping characteristic and to the size of the upstream circuit-breakers which must necessarily be higher.

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*

Selectivity between two levels of protection

. The downstream circuit-breaker must always have an instantaneous tripping characteristic 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.

circuit-breaker downstream		Fuse upstream							
		gG Type							
		32A	40A	50A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B and C Curves	≤6A	1300	1900	2500	4000	4600	T	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	-	-	1300	2000	2200	4100	500	9000
	32A	-	-	1200	1700	1900	3500	4500	8000
	40A	-	-	-	-	1700	3000	4000	6000
	50A	-	-	-	-	1600	2600	3500	5000
	63A	-	-	-	-	2400	3300	5000	2400

DX ³ 6000/10kA D Curve	≤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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Selectivity between modular circuit-breakers and fuses:

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

		Fuse upstream								
		aM Type								
circuit-breaker downstream		25A	32A	40A	50A	63A	80A	100A	125A	160A
DX ³ 6000/10kA B and C Curves	≤6A	1000	1600	2100	3200	6200	T	T	T	T
	10A	-	100	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	-	-	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
DX ³ 6000/10kA D Curve	≤6A	900	1400	2000	2700	5500	T	T	T	T
	10A	-	1100	1700	2500	5000	7800	T	T	T
	16A	-	1000	140	2100	4000	6000	9000	T	T
	20A	-	-	1300	1800	3400	5100	7000	T	T
	25A	-	-	1000	1500	2700	4000	5500	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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 10000/16kA										
		B Curve										
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	16A	-	-	-	-	128	160	200	252	2000	3600	5500
	20A	-	-	-	-	-	160	200	252	1600	3000	4000
	25A	-	-	-	-	-	160	200	252	1300	2400	3300
	32A	-	-	-	-	-	-	-	252	1000	1800	2700
	40A	-	-	-	-	-	-	-	-	800	1600	2400
	50A	-	-	-	-	-	-	-	-	800	900	1700
	63A	-	-	-	-	-	-	-	-	-	900	1200

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 10000/16kA										
		B Curve										
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

		circuit-breaker upstream										
		DX ³ 10000/16kA										
		C Curve										
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	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

		circuit-breaker upstream										
		DX ³ 10000/16kA										
		C Curve										
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

. T = Total discrimination

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 10000/16kA										
		D Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 10000/16kA										
		D Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		B Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	1A	-	-	-	-	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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		B Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		C Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		C Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

. T = Total discrimination

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		D Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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
	16A	-	-	240	300	384	50	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

circuit-breaker downstream		circuit-breaker upstream										
		DX ³ 25kA										
		D Curve										
		10A	16A	20A	25A	32A	40A	50A	63A	80A	100A	125A
DX ³ 6000/10kA 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

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

circuit-breaker downstream		circuit-breaker upstream								
		DX ³ 36kA								
		C Curve								
		10A	16A	20A	25A	32A	40A	50A	63A	80A
DX ³ 6000/10kA B and C Curves	≤6A	75	120	170	500	700	1200	1500	3000	4000
	10A	-	120	150	210	500	700	1000	1800	3000
	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

circuit-breaker downstream		circuit-breaker upstream								
		DX ³ 36kA								
		C Curve								
		10A	16A	20A	25A	32A	40A	50A	63A	80A
DX ³ 6000/10kA 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	-	-	-	-	-	-	-	-	-

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS *(continued)*:

Selectivity between modular circuit-breakers:

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

		circuit-breaker upstream							
		DX ³ 50kA							
		B Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA B and C Curves	≤6A	-	64	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	-	-	-	-	-	-	500	600
	40A	-	-	-	-	-	-	-	600
	50A	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-

		circuit-breaker upstream							
		DX ³ 50kA							
		B Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA D Curve	≤6A	-	-	-	500	700	1200	1500	3000
	10A	-	-	-	-	-	700	1000	1800
	16A	-	-	-	-	-	-	-	1000
	20A	-	-	-	-	-	-	-	-
	25A	-	-	-	-	-	-	-	-
	32A	-	-	-	-	-	-	-	-
	40A	-	-	-	-	-	-	-	-
	50A	-	-	-	-	-	-	-	-
	63A	-	-	-	-	-	-	-	-

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 407 415 to 408 123

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

		circuit-breaker upstream							
		DX ³ 50kA							
		C Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA B and C Curves	≤6A	75	120	170	500	700	1200	1500	3000
	10A	-	120	150	210	500	700	1000	1800
	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	-	-	-	-	-	-	-	-

		circuit-breaker upstream							
		DX ³ 50kA							
		C Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA 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	-	-	-	-	-	-	-	-

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

5. GENERAL CHARACTERISTICS (continued):

Selectivity between modular circuit-breakers:

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

		circuit-breaker upstream							
		DX ³ 50kA							
		D Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA B and C Curves	≤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
	5A	-	-	-	-	384	480	600	800
	32A	-	-	-	-	-	480	600	756
	40A	-	-	-	-	-	-	600	756
	50A	-	-	-	-	-	-	-	756
	63A	-	-	-	-	-	-	-	-

		circuit-breaker upstream							
		DX ³ 50kA							
		D Curve							
circuit-breaker downstream		10A	16A	20A	25A	32A	40A	50A	63A
DX ³ 6000/10kA 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	-	-	-	-	-	-	-	-

up to 63A (1 module per pole)

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.

circuit-breaker downstream		m.c.c.b. upstream											
		DPX 125						DPX 160					
		16 - 25 - 36kA						25 - 36 - 50kA					
		16A	25A	40A	63A	100A	125A	25A	40A	63A	100A	160A	
DX ³ 6000/10kA B and C Curves	≤6A	6000	6000	6000	6000	T	T	T	T	T	T	T	
	10A	5000	5000	5000	5000	6000	6000	7500	7500	7500	7000	T	
	16A	-	4000	4000	4000	6000	6000	6000	6000	6000	6000	6000	T
	20A	-	4000	4000	4000	5000	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	

DX3 6000/10kA C Curve	≤6A	6000	6000	6000	6000	T	T	T	T	T	T	T
	10A	5000	5000	5000	5000	6000	6000	7000	7000	7000	7000	T
	16A	-	4000	4000	4000	6000	6000	6000	6000	6000	6000	T
	20A	-	4000	3000	3000	5000	5000	-	5000	5000	5000	T
	25A	-	-	3000	3000	4500	4500	-	3500	3500	4000	8500
	32A	-	-	-	2000	4000	4000	-	-	2000	3500	7000
	40A	-	-	-	2000	3000	3000	-	-	2000	2500	6000
	50A	-	-	-	-	3000	3000	-	-	-	2000	5500
	63A	-	-	-	-	3000	3000	-	-	-	2000	5000

. T = Total discrimination

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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.

circuit-breaker downstream		m.c.c.b. upstream										
		DPX ³ 160 DPX ³ 160 + diff.								DPX 250ER		
		16 - 25 - 36 - 50kA								25 - 39 - 50kA		
		16A	25A	40A	63A	80A	100A	125A	160A	100A	160A	250A
DX ³ 6000/10kA B and C Curves	≤6A	T	T	T	T	T	T	T	T	T	T	T
	10A	5000	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
DX ³ 6000/10kA D Curve	≤6A	6000	T	T	T	T	T	T	T	T	T	T
	10A	5000	7500	7500	7500	T	T	T	T	T	T	T
	16A	-	6000	6000	6000	6000	T	T	T	8000	T	T
	20A	-	-	5000	5000	5000	6000	T	T	6000	T	T
	25A	-	-	4500	4500	4500	4500	8500	T	5000	8500	T
	32A	-	-	-	3000	4000	4000	7000	T	4000	7000	T
	40A	-	-	-	3000	3000	3000	6000	8000	3500	6000	T
	50A	-	-	-	-	3000	3000	5500	7000	3000	5500	7000
	63A	-	-	-	-	-	3000	5000	6000	2000	5000	5000

. T = Total discrimination

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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.

circuit-breaker downstream		m.c.c.b. upstream									
		DPX 250ER AB				DPX 250 / H / L (Thermal-Magnetic & electronic)					
		25kA				36 - 70 - 100kA					
		90A	130A	170A	240A	25A	40A	63A	100A	160A	250A
DX ³ 6000/10kA B and C Curves	≤6A	T	T	T	T	6000	6000	6000	T	T	T
	10A	T	T	T	T	5000	5000	5000	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

DX ³ 6000/10kA Curve D	≤6A	T	T	T	T	6000	6000	6000	T	T	T
	10A	T	T	T	T	5000	5000	5000	T	T	T
	16A	T	T	T	T	-	4000	4000	T	T	T
	20A	T	T	T	T	-	4000	4000	8000	T	T
	25A	T	T	T	T	-	-	3000	6000	T	T
	32A	T	T	T	T	-	-	2000	5000	T	T
	40A	3500	T	T	T	-	-	-	5000	T	T
	50A	3000	4000	T	T	-	-	-	4000	8000	T
	63A	2000	3000	T	T	-	-	-	-	8000	T

. T = Total discrimination

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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.

circuit-breaker downstream		m.c.c.b. upstream								
		DPX ³ 250 DPX ³ 250 + diff (Thermal-Magnetic & electronic)				DPX 400AB		DPX / H / L 630 (Thermal-Magnetic & electronic)	DPX / H / L 1250	DPX / H 1600 (electronic)
		25 - 36 - 50 - 70kA				36kA		36 - 70 - 100kA	36 - 70 - 100kA	36 - 70kA
		100A	160A	200A	250A	320A	400A	160 to 630A	500 to 1250A	630 to 1600A
DX ³ 6000/10kA B and C Curves	≤6A	T	T	T	T	T	T	T	T	T
	10A	T	T	T	T	T	T	T		T
	16A	T	T	T	T	T	T	T	T	T
	20A	8000	T	T	T	T	T	T	T	T
	25A	6000	T	T	T	T	T	T	T	T
	32A	5000	T	T	T	T	T	T	T	T
	40A	5000	T	T	T	T	T	T	T	T
	50A	4000	8000	T	T	T	T	T	T	T
	63A	4000	8000	T	T	T	T	T	T	T
DX ³ 6000/10kA D Curve	≤6A	T	T	T	T	T	T	T	T	T
	10A	T	T	T	T	T	T	T	T	T
	16A	T	T	T	T	T	T	T	T	T
	20A	8000	T	T	T	T	T	T	T	T
	25A	6000	T	T	T	T	T	T	T	T
	32A	5000	T	T	T	T	T	T	T	T
	40A	5000	T	T	T	T	T	T	T	T
	50A	4000	8000	T	T	T	T	T	T	T
	63A	-	8000	T	T	T	T	T	T	T

. T = Total discrimination

6. CONFORMITIES AND APPROVALS

In accordance with standards:

- . IEC/EN 60898-1 with 6000 A breaking capacity
- . IEC/EN 60947-2 with 10 kA breaking capacity
- . EU guidelines: 2014/35/EU + 2014/30/EU
- . Legrand circuit-breakers can be used under the conditions of use as defined by IEC/EN 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 $-25\text{ °C} / +70\text{ °C}$
- . Salt fog atmosphere according IEC 60068-2-52

Environment respect – Compliance with EU directives:

- . Compliance with Directive 2011/65/EU of 08/06/11 (RoHS) and subsequent modifications and integrations.

Precious metal:

- . Silver: 0,04 g per pole $I_n \leq 16\text{ A}$; 0.08 g per pole $I_n \geq 20\text{ A}$
- . No gold

Packaging:

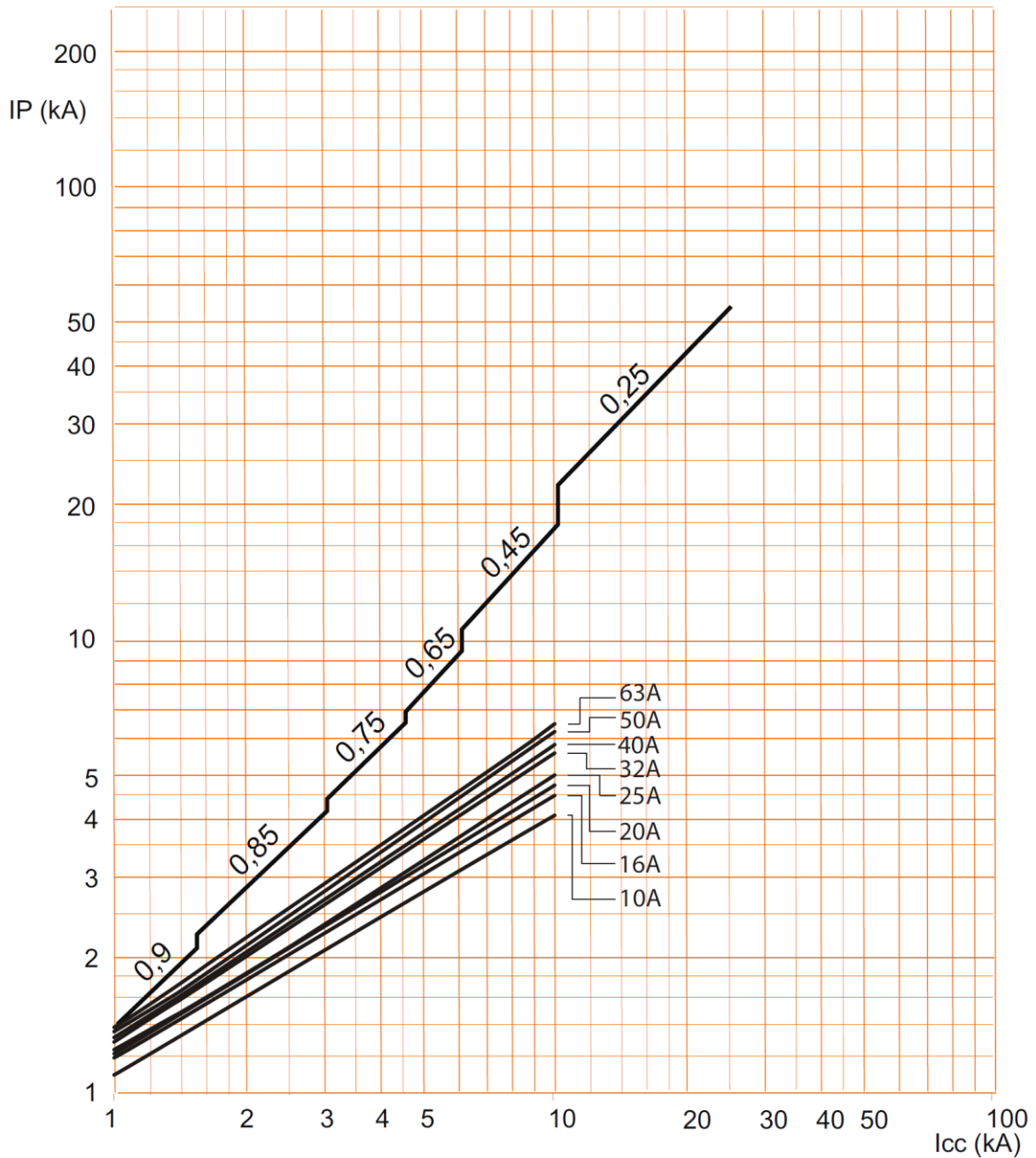
- . Design and manufacture of packaging in accordance with Directive 94/62/EC

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES

Limiting current curve: circuit-breakers B, C and D curves:



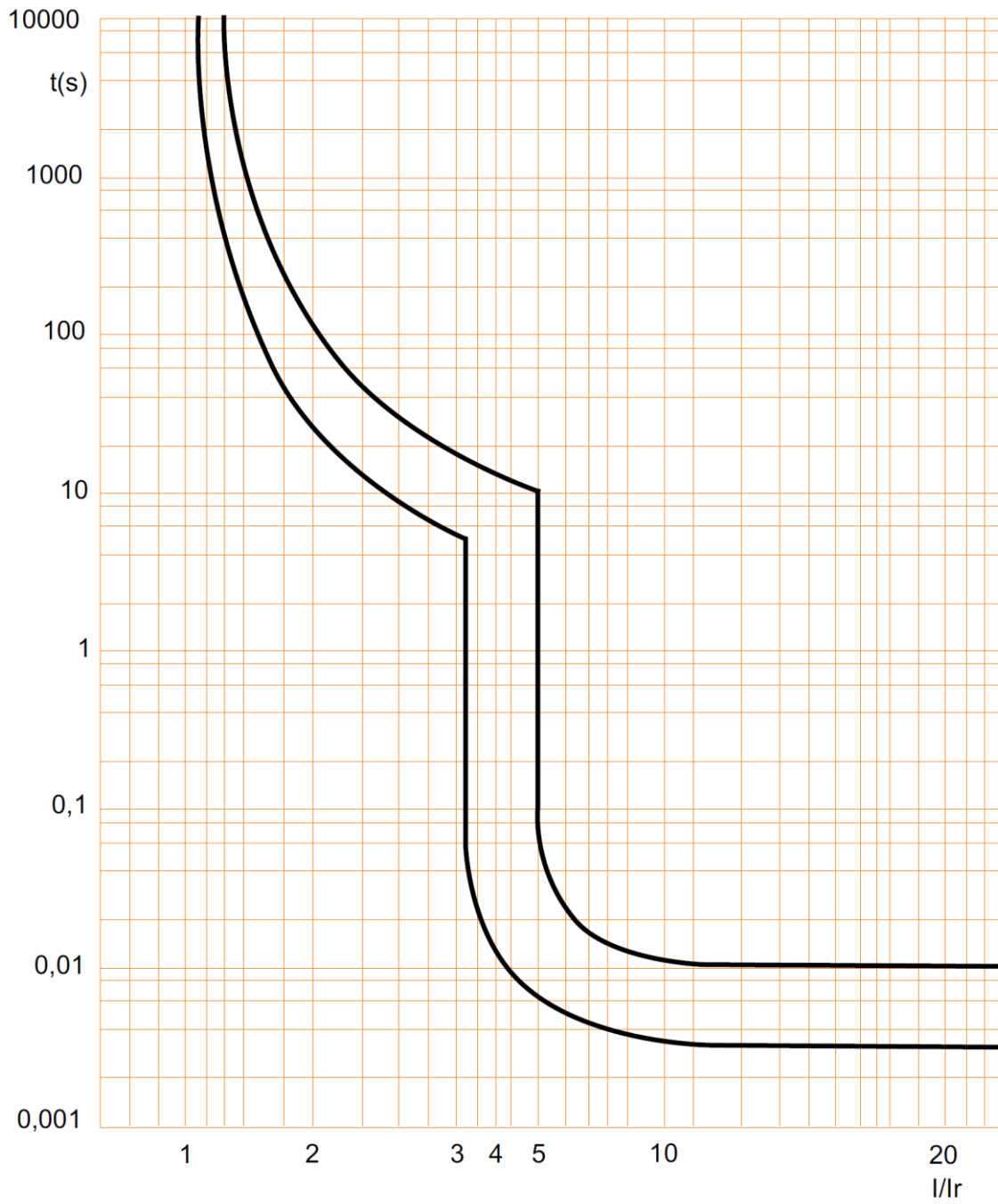
- . Icc = Square value of symmetric component of the short circuit current (kA).
- . IP = Max peak value (kA)

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES (continued)

Operating characteristic of circuit-breakers B curve:

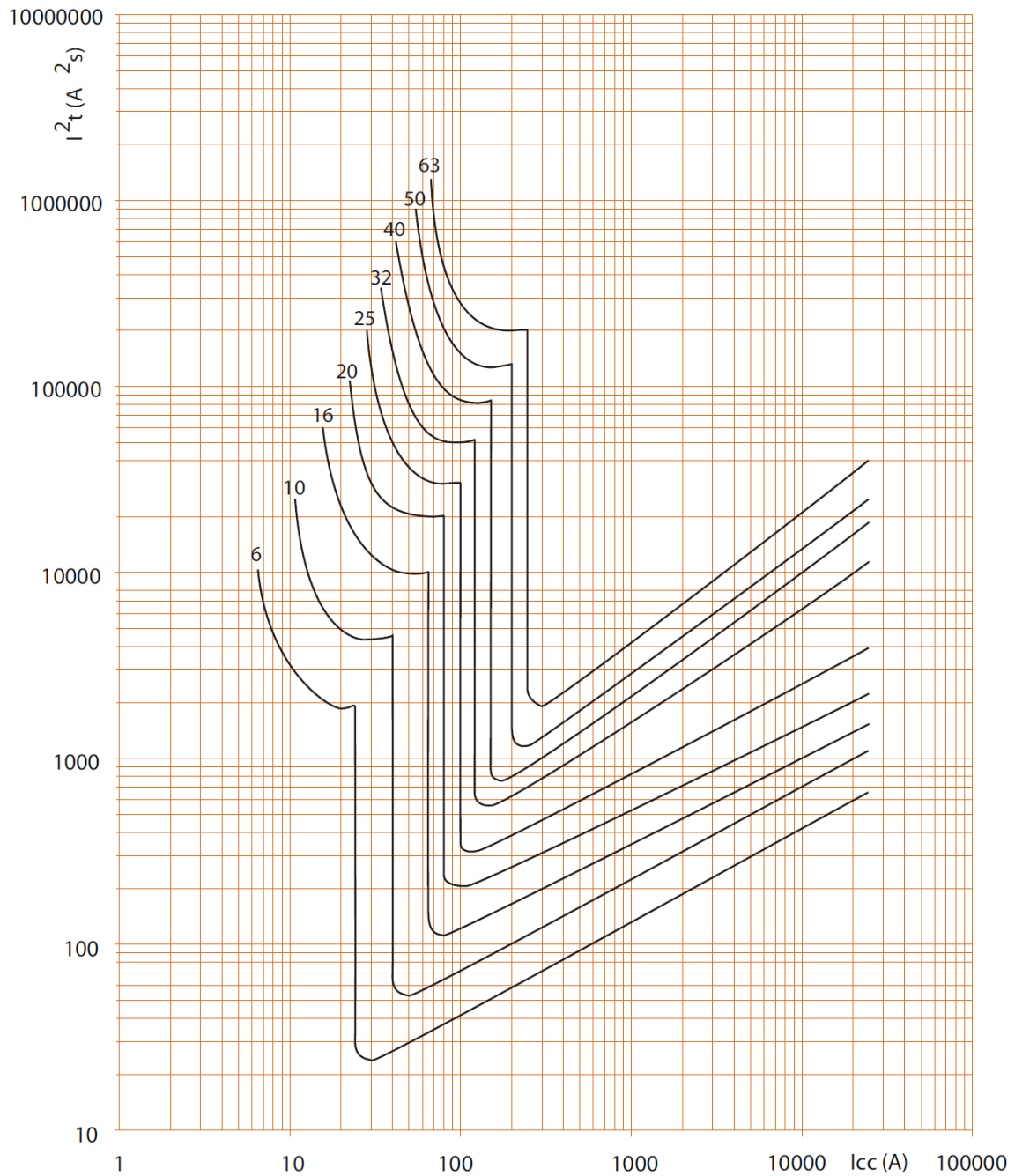


Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES *(continued)*

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



. I_{cc} = Square value of symmetric component of the short circuit current (kA).

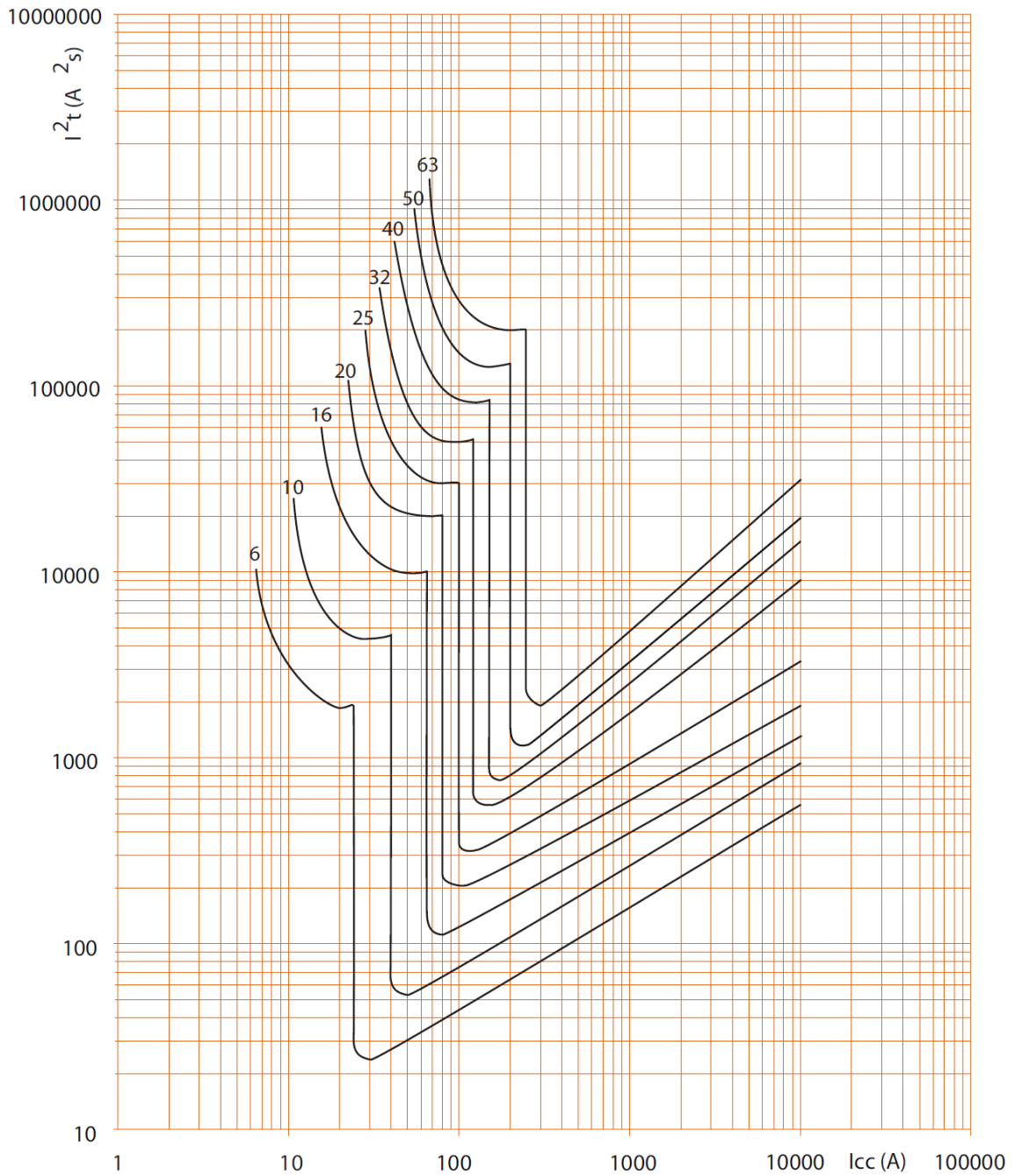
. I^2t = Thermal energy limited (A^2s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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).

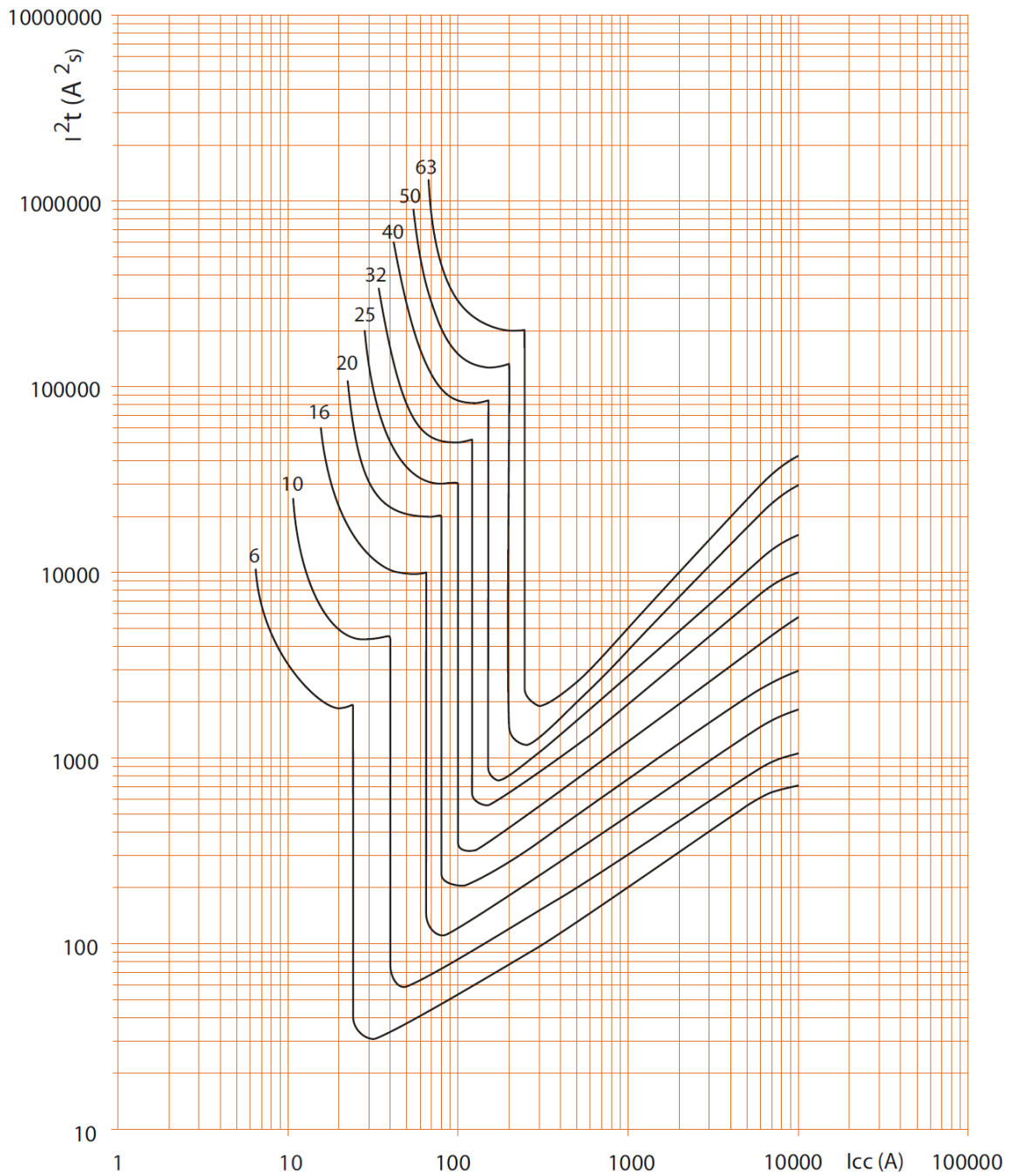
. I²t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES *(continued)*

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



. I_{cc} = Square value of symmetric component of the short circuit current (kA).

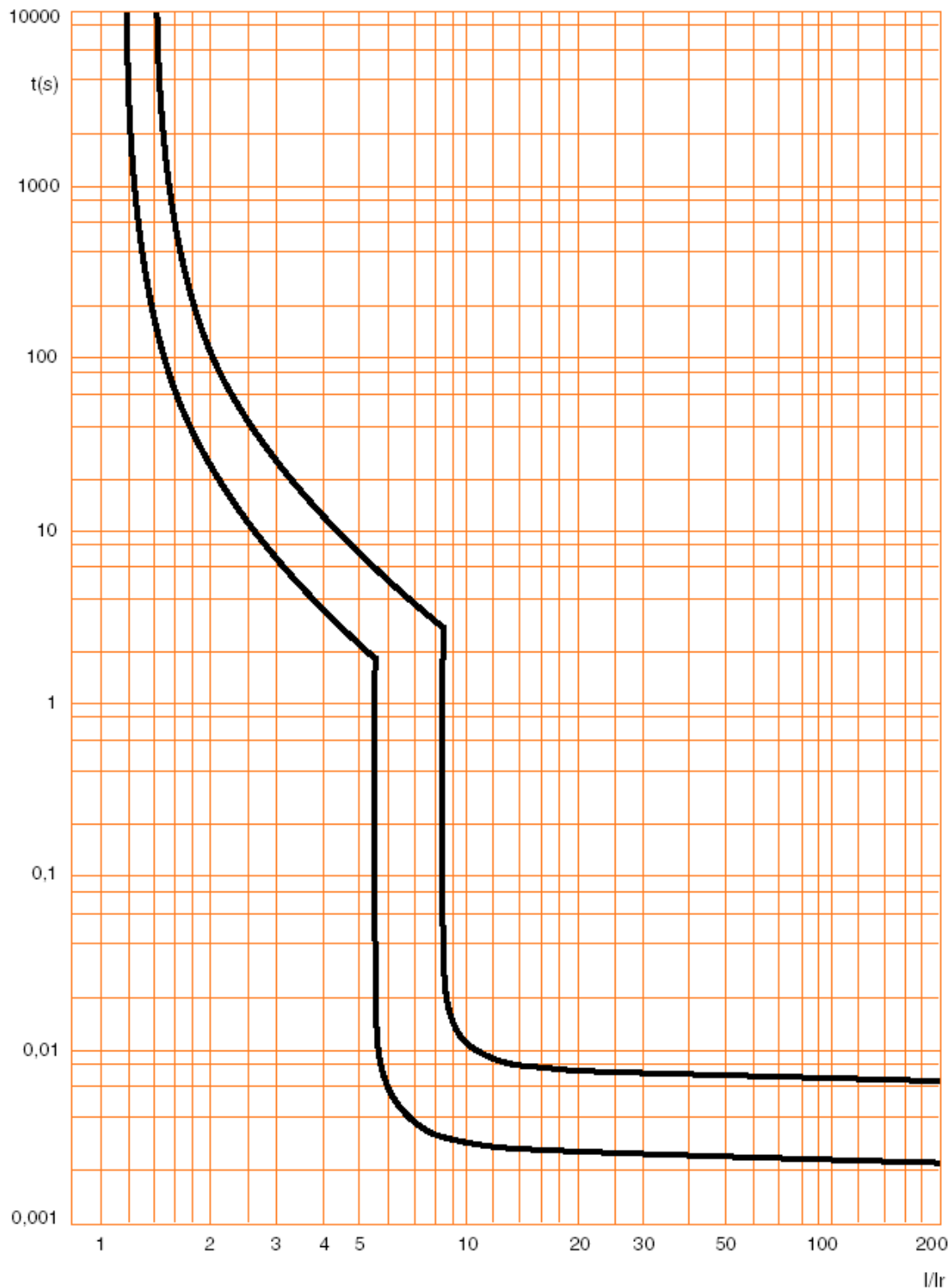
. I^2t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES *(continued)*

Operating characteristic of circuit-breakers C curve:

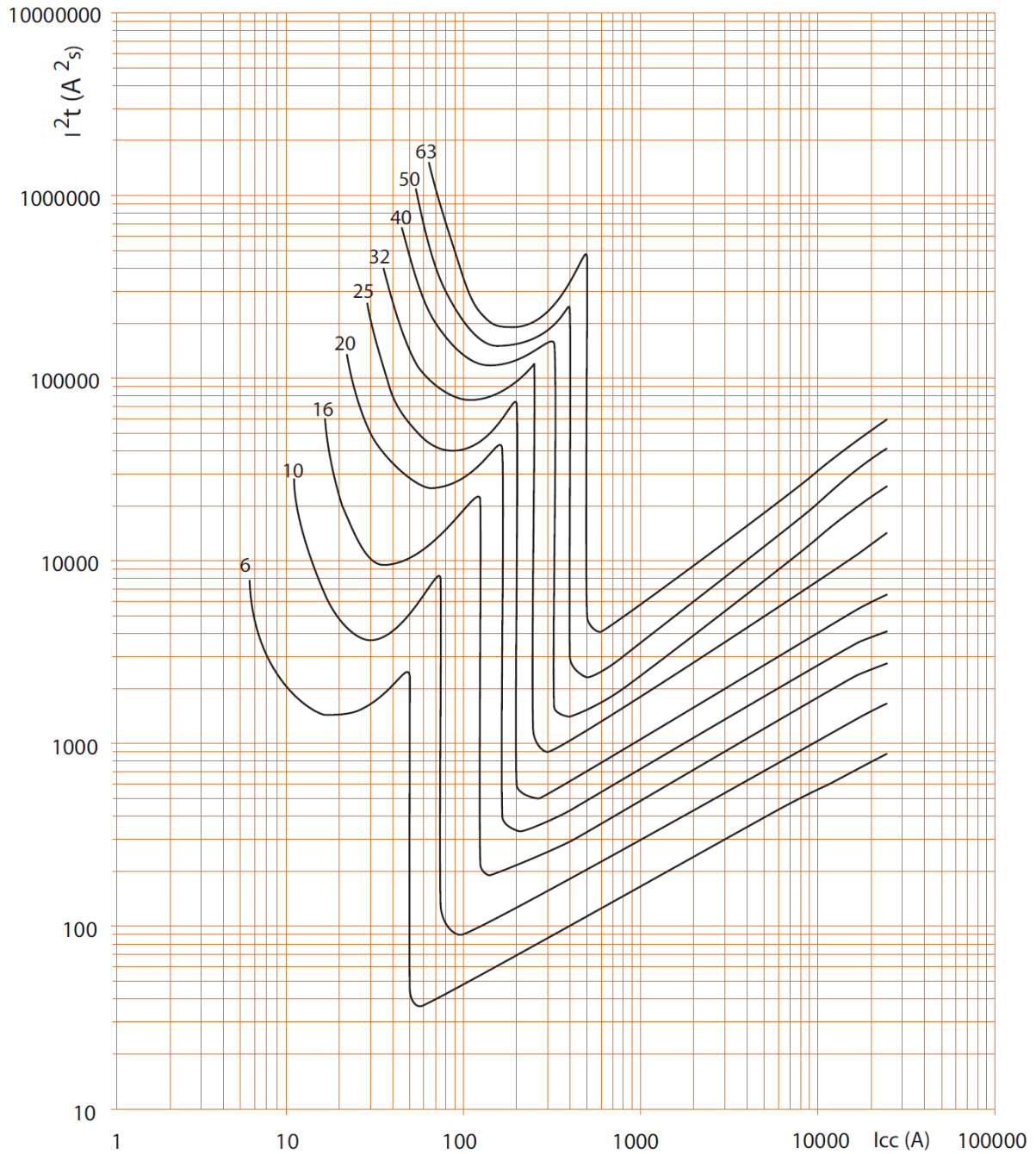


Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES (continued)

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



. I_{cc} = Square value of symmetric component of the short circuit current (kA).

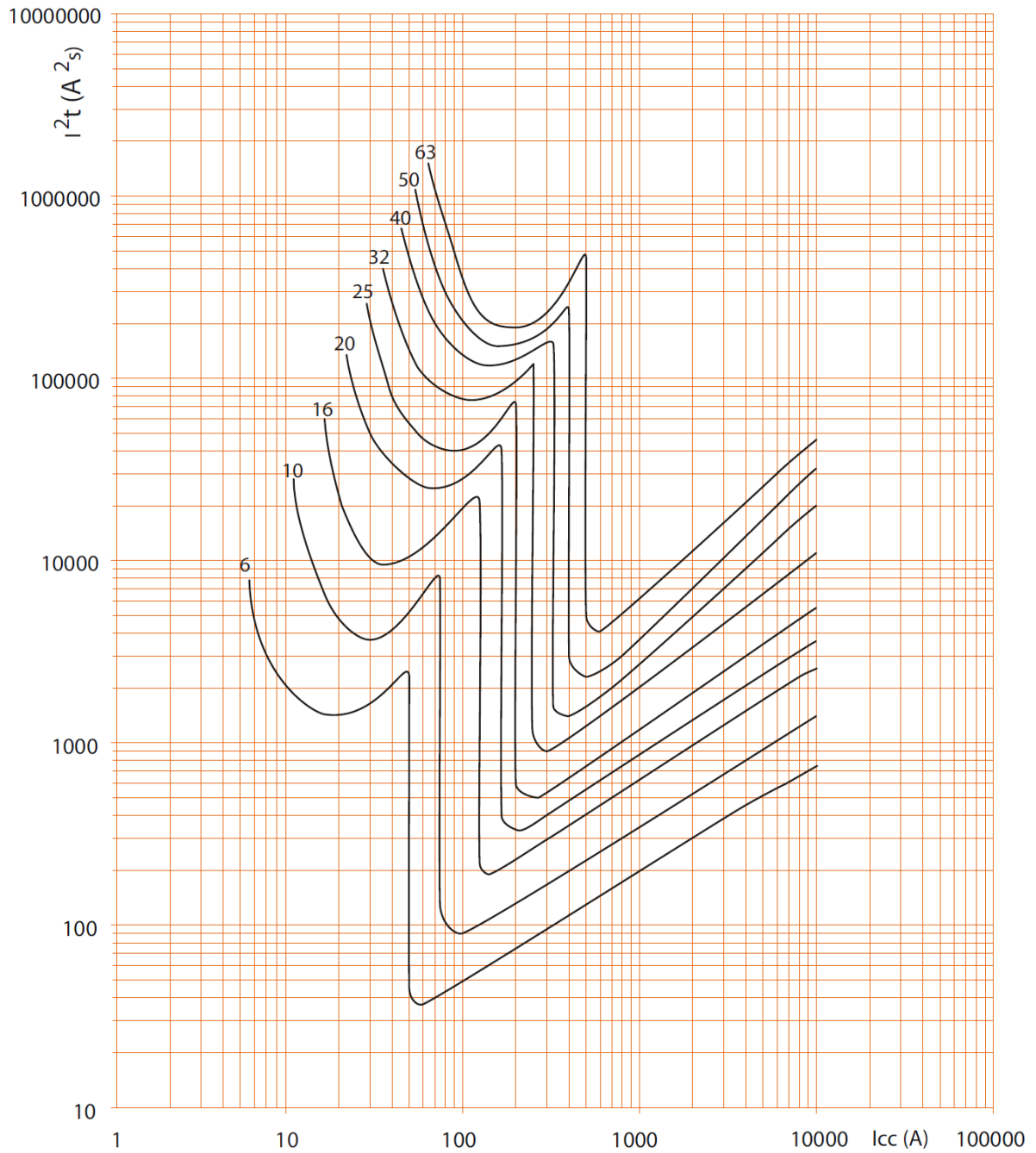
. I^2t = Thermal energy limited (A^2s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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).

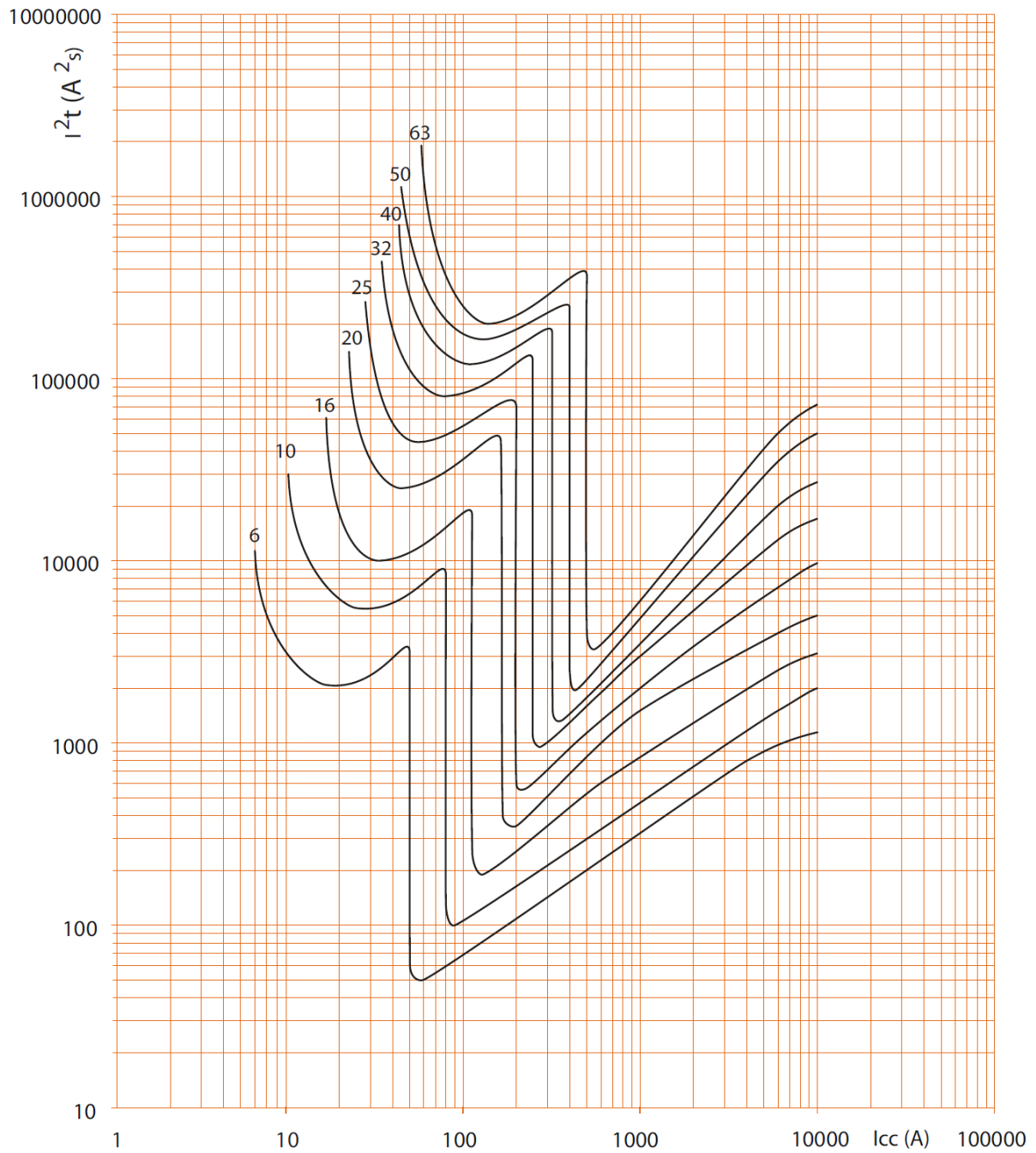
. I²t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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).

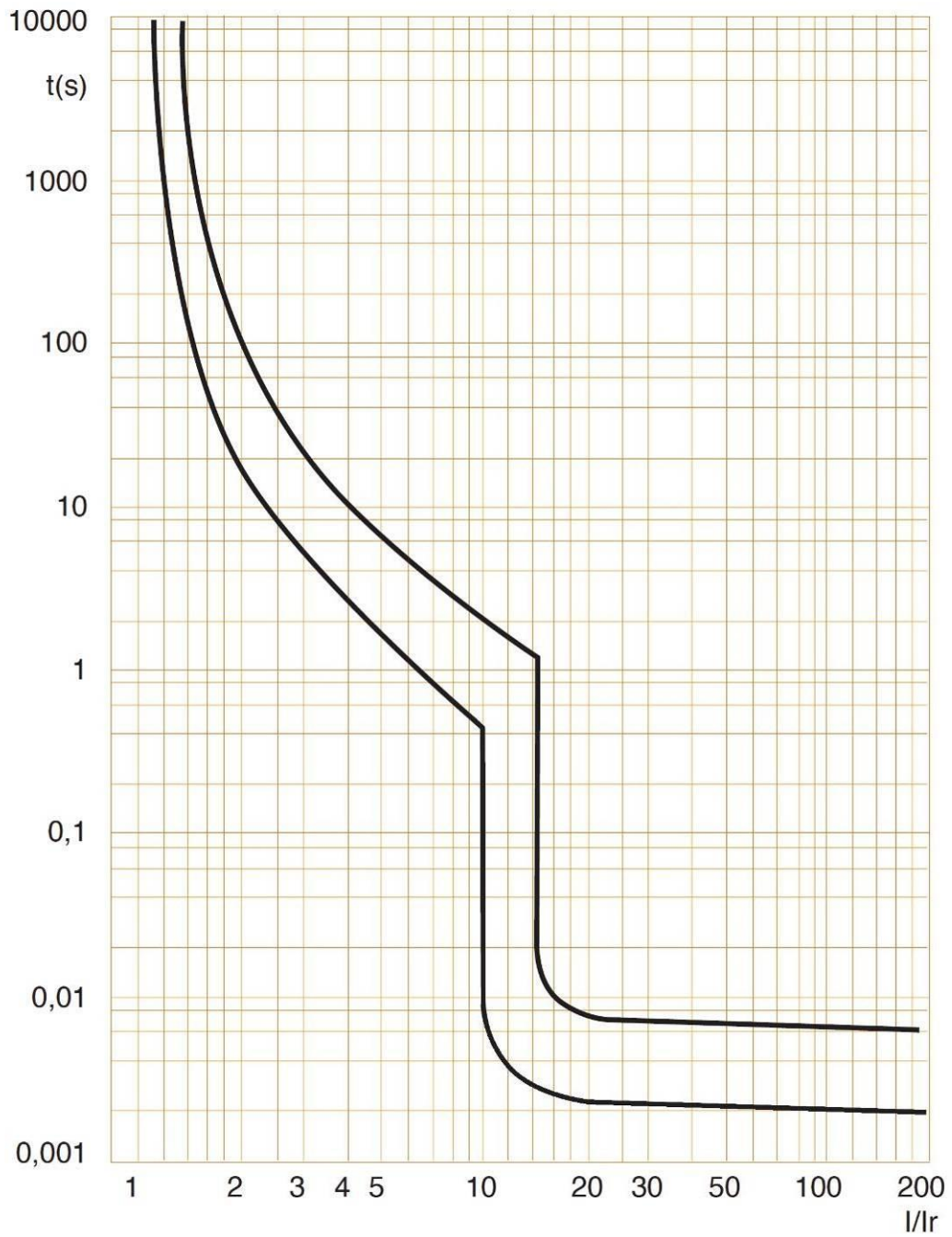
. I²t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES (continued)

Operating characteristic of circuit-breakers D curve :

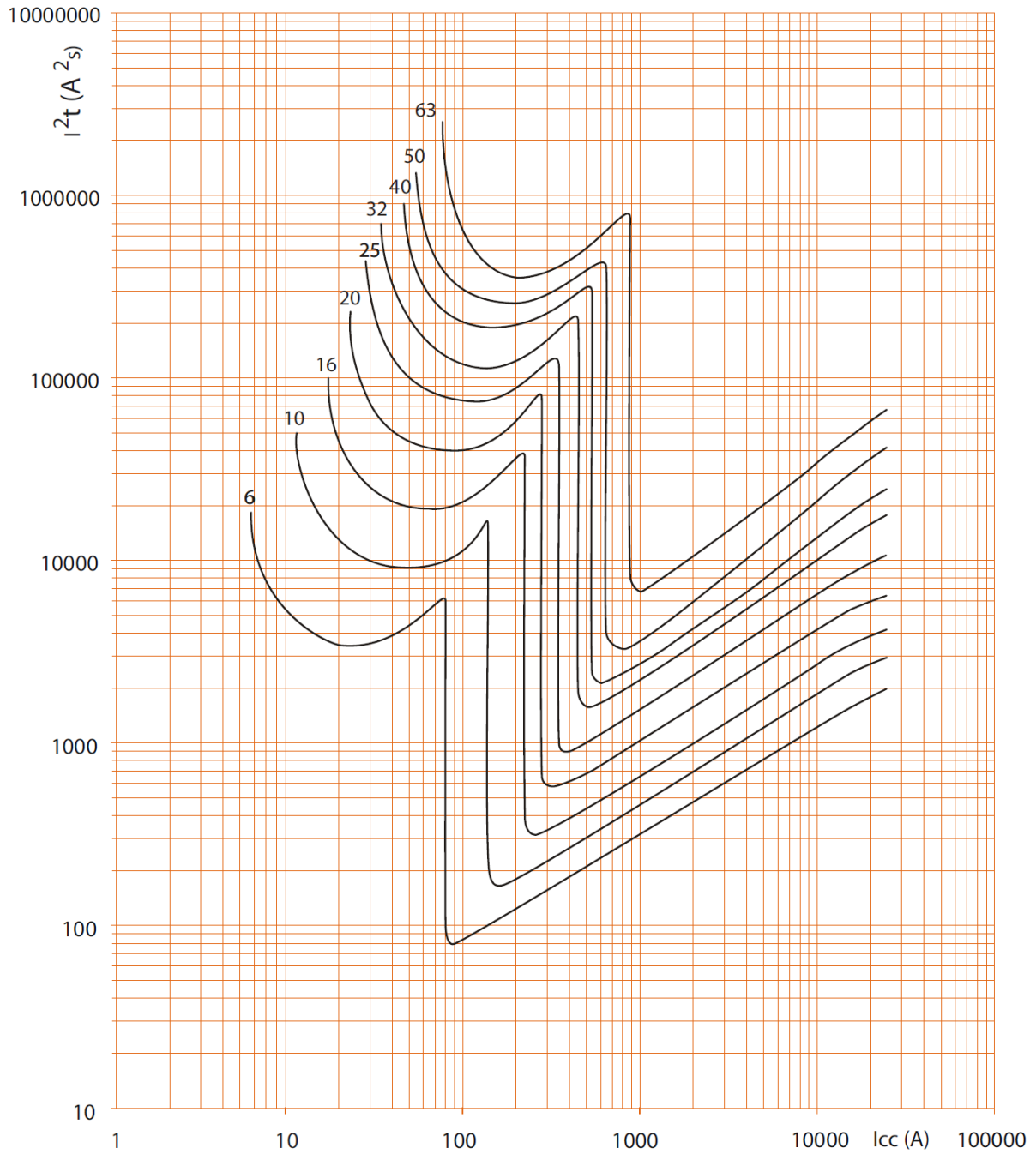


Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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).

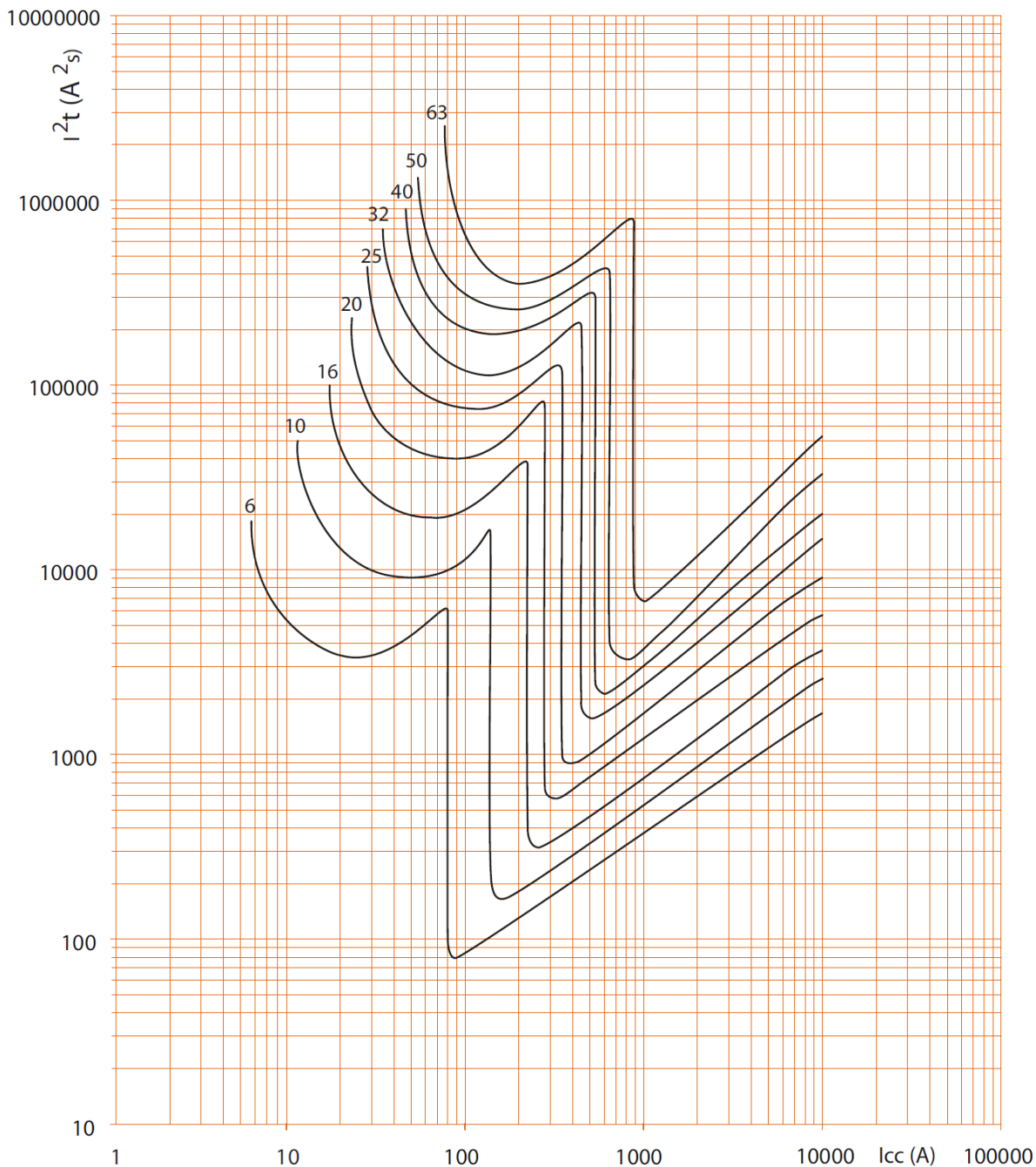
. I²t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

7. CHARACTERISTIC CURVES *(continued)*

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



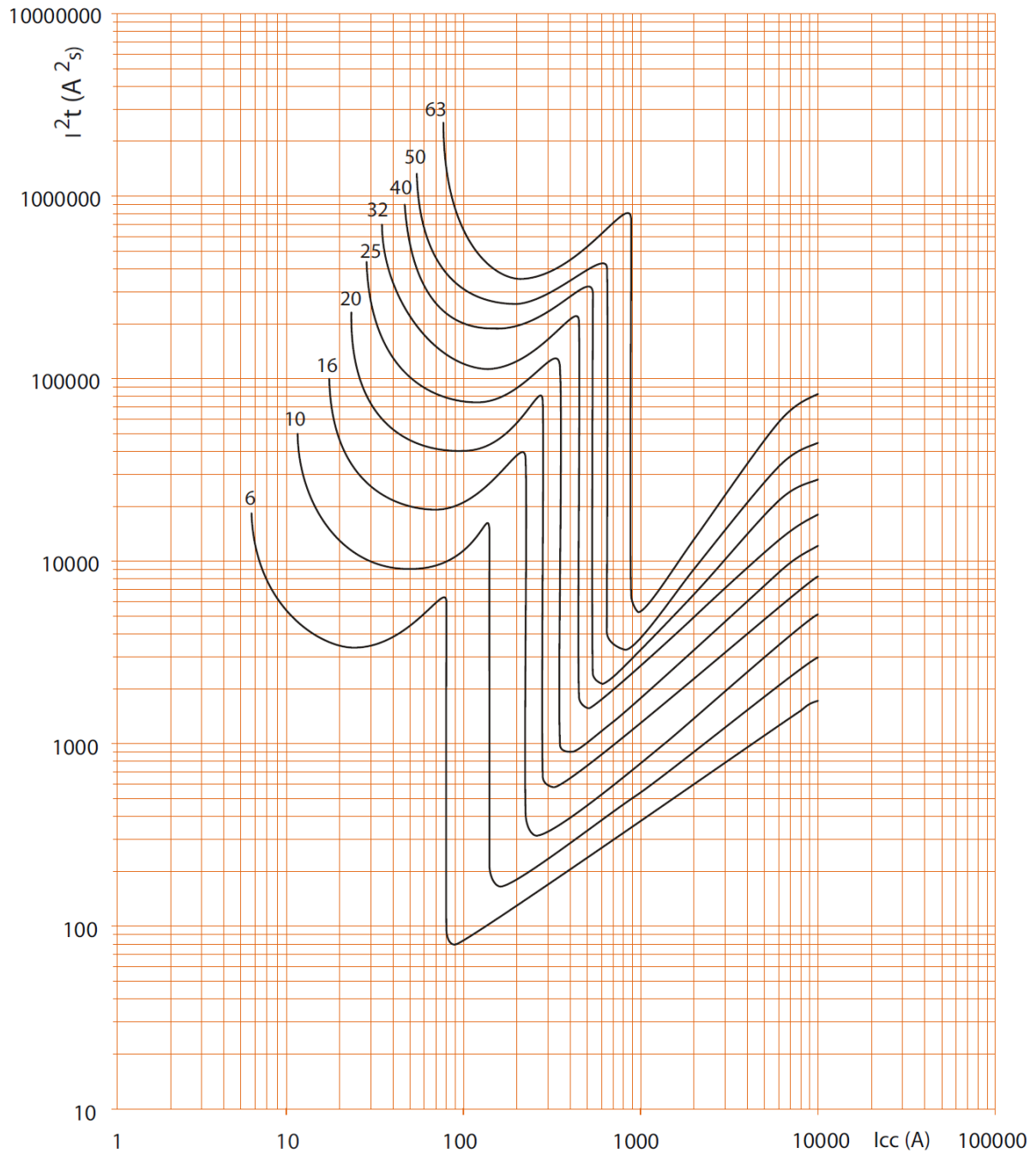
. Icc = Square value of symmetric component of the short circuit current (kA).
. I²t = Thermal energy limited (A²s).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s) : 4 074 25 to 4 081 53

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).

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

8. AUXILIARIES AND ACCESSORIES

Coupling with RCD add-on modules:

circuit-breaker	RCD add-on module		
	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 HX³.
- . Terminal for aluminium cable (10 mm² to 50 mm²) necessary use (cat n° 4 063 10).

Signalling 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)

STOP & GO automatic resetting:

- . Automatic reclosers STOP & Go (2 modules – cat n° 4 062 88 / 89).
- . Automatic reclosers connected STOP & Go (4 modules – cat n° 4 149 54).

8. AUXILIARIES AND ACCESSORIES (continued)

Possible combinations of circuit-breaker and auxiliaries:

- . Only the association of an MCB with signalling auxiliaries guarantees the functionality of the "Great Dispatcher" DIN rail clamp.
- . Auxiliaries are clipped on the left of the circuit-breaker
- . 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 or one STOP & GO automatic resetting.
- . If signalling and control auxiliaries are associated on the same circuit-breaker, the auxiliary must be placed to the left of the signal auxiliary

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° 4 063 03) in "Open" position (OFF).

Installation software:

- . XL PRO³

Circuit-breaker DX3 6000 A / 10 kA up to 63A (1 module per pole)

Cat. N° (s): 4 074 25 to 4 081 53

.9. USE IN DIRECT CURRENT

Operation in DC (direct current):

The time-current characteristic remains the same as for AC.

The limits of the instantaneous tripping characteristics are as follows:

- . Type B Above 4 I_n up to and including 7 I_n
- . Type C Above 7 I_n up to and including 15 I_n
- . Type D Above 14 I_n up to and including 30 I_n

. Endurance with load (I_n) = 2000 operations

Short-circuit breaking capacity: in according to IEC 60 947.2

	1P	2P	3P	4P
B / C	6 kA	6 kA	6 kA	6 kA
D	4,5 kA	4,5 kA	4,5 kA	4,5 kA

Electrical diagrams connection:

