

# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197



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## 1. USE

DPX<sup>3</sup> platform has been developed to give a new solution of protection devices for a more precise approach in flow installations in order to offer the correct answer for different project needs.

DPX<sup>3</sup> platform provide a complete project approach in premium market segment, offering a range completely suitable for medium power application with high performance breakers in compact dimensions and at a competitive costs.

## 2. RANGE

### Circuit breakers

	16 kA	25 kA
<b>I<sub>n</sub> (A)</b>	<b>4P</b>	<b>4P</b>
16	4 200 30	4 200 70
25	4 200 31	4 200 71
40	4 200 32	4 200 72
63	4 200 33	4 200 73
80	4 200 34	4 200 74
100	4 200 35	4 200 75
125	4 200 36	4 200 76
160	4 200 37	4 200 77
	<b>36 kA</b>	<b>50 kA</b>
<b>I<sub>n</sub> (A)</b>	<b>4P</b>	<b>4P</b>
16	4 201 10	4 201 50
25	4 201 11	4 201 51
40	4 201 12	4 201 52
63	4 201 13	4 201 53
80	4 201 14	4 201 54
100	4 201 15	4 201 55
125	4 201 16	4 201 56
160	4 201 17	4 201 57

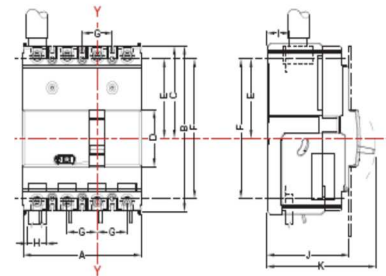
### Switches

<b>I<sub>n</sub> (A)</b>	<b>4P</b>
160	4 201 97

## 3. DIMENSIONS AND WEIGHTS

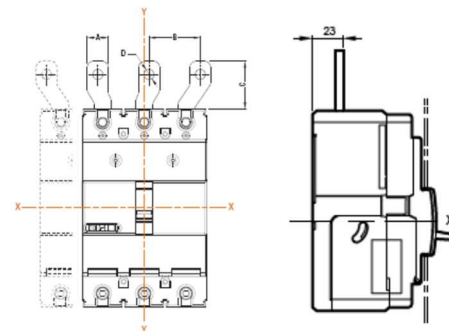
### 3.1 Dimensions

#### Fixed version



A	B	C	D	E	F	G	H	I	J	K
108	160	72,5	45	62,5	140	27	19	18	74	97

#### Fixed version, front terminals

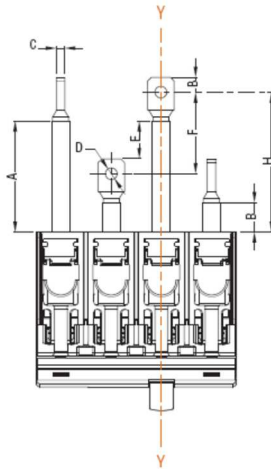


	A	B	C	D
<b>160</b>	17,5	35	41	8,5

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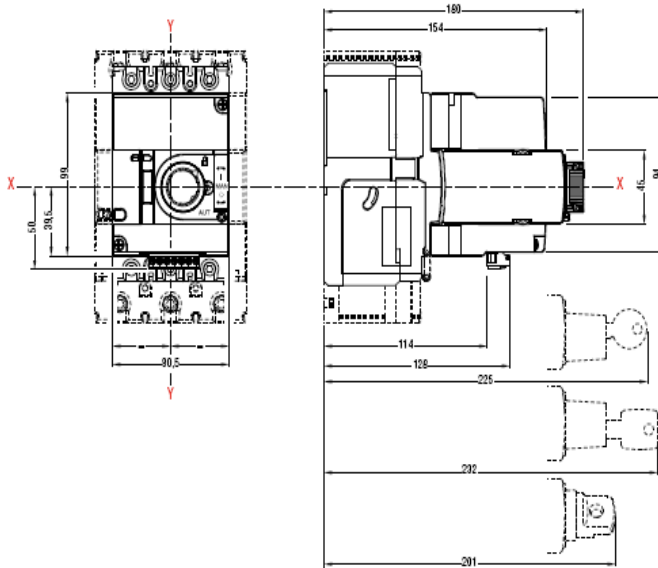
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Fixed version, rear terminals

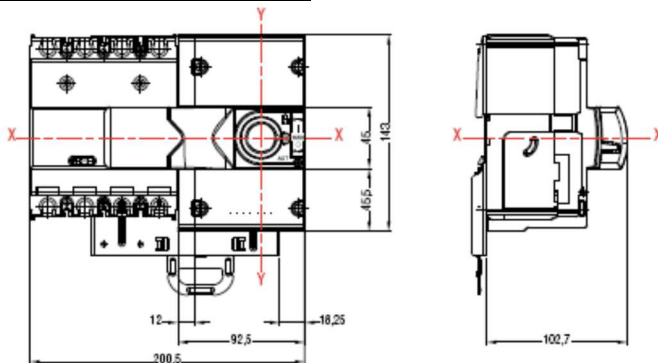


	A	B	C	D	E	F	G	H
<b>160</b>	65,5	21,5	4,5	6,3	19,5	44	11	79

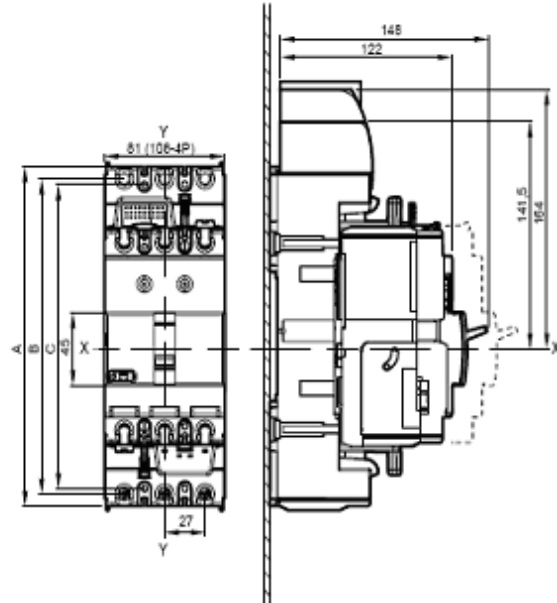
Fixed version, front motor operator



Fixed version, side motor operator



Plug-in version



	A	B	C
DPX <sup>3</sup> 160 + RCD - 4P	238	223	216

## 3.2 Weights

Configuration	Weights (Kg)
<b>4P</b>	
Circuit breaker/switch disconnector	1.89
Direct rotary handle*	0.35
Vari depth rotary handle*	0.72
Interlock*	1.08
Spreader*	0.17

\* to add to device weight

## 4. OVERVIEW

### 4.1 Supplied

Supplied with

- fixing screws
- cage terminals (70mm<sup>2</sup> flexible cable or 95mm<sup>2</sup> rigid cable)

## 5. ELECTRICAL CONNECTIONS

### 5.1 Mounting possibilities

On DIN rail:

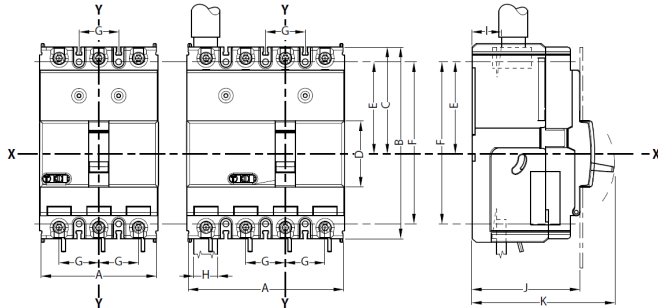
- Vertical
- Supply inverter type

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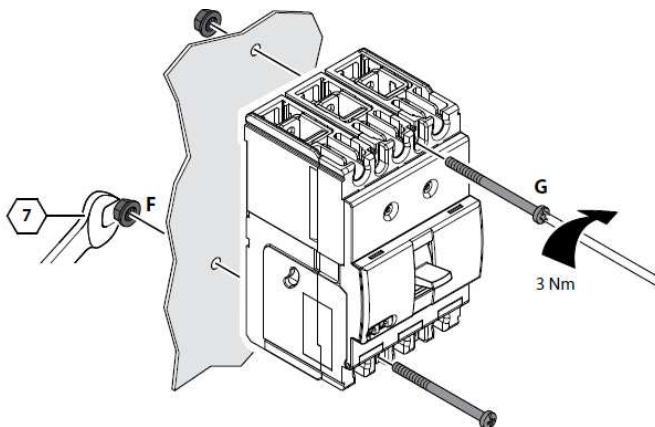
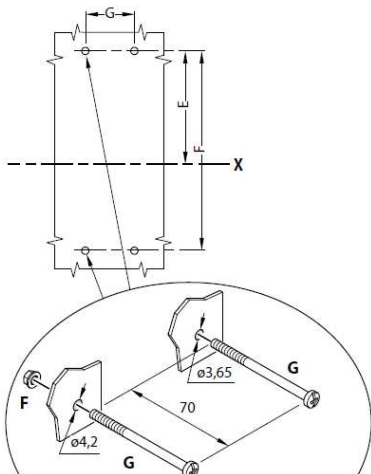
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## 5.2 Mounting

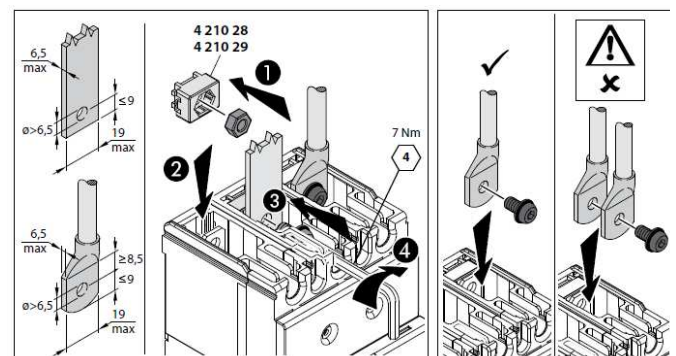
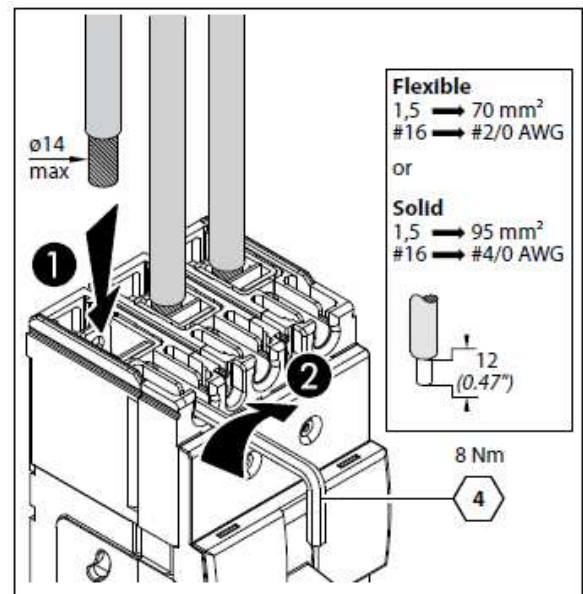
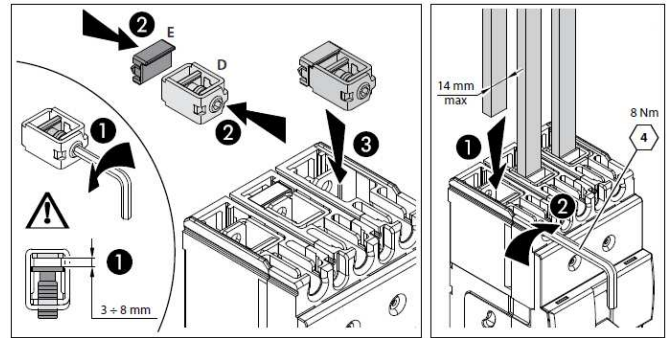
(see instruction sheet for detailed mounting procedures)



160 RCD	A	B	C	D	E	F	G	H	I	J	K
	108	160	72,5	45	62,5	140	27	19	18	74	97



## Busbars/cable lugs and cables:



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## 6. ELECTRICAL AND MECHANICAL CHARACTERISTICS

### Circuit breaker

Circuit Breaker	DPX <sup>3</sup> 160 E/B/F/N (16kA, 25kA, 36kA, 50kA)
Rated current (A)	16, 25, 40, 63, 80, 100, 125, 160
Poles	4
Rated insulation voltage U <sub>i</sub> (V)	500
Rated operating voltage (50/60Hz) U <sub>e</sub> (V)	500
Rated impulse withstand current U <sub>imp</sub> (kV)	6
Rated frequency (Hz)	50 - 60
Reference ambient temperature(°C)	40 - 50
Operating temperature (°C)	-25 ÷ 70
Mechanical endurance (cycles)	25000
Mechanical endurance with motor control (cycles)	25000
Electrical endurance at I <sub>n</sub> (cycles)	8000
Electrical endurance at 0.5 I <sub>n</sub> (cycles)	10000
Utilization category	A
Suitable for isolation	Yes
Type of protection	Thermal-magnetic + earth leakage
Magnetic adjustment	400A (I <sub>n</sub> up to 40A); 10 x I <sub>n</sub> (I <sub>n</sub> > 40A)
Thermal adjustment	(0.8 ÷ 1) x I <sub>n</sub>
Neutral protection for 4P version (%I <sub>nb</sub> )	100
Dimensions (W x H x D) (mm)	110 x 160 x 97
Weight (kg)	1.51
Earth leakage type	A - Integrated
Adjustable sensitivity (A)	0.03 - 0.3 - 1 - 3
Adjustable tripping (s)	0 - 0.3 - 1 - 3 (with 0.03 A possible only 0s)

### Switch disconnectors

Switch	DPX <sup>3</sup> -I
Uninterrupted nominal current I <sub>n</sub> (A)	160
Short-time resistive current I <sub>cu</sub> (kA) for 1s	2
Rated short-circuit making capacity I <sub>cm</sub> (kA)	3
Isolated voltage U <sub>i</sub> (V AC)	500
Maximum rated operating voltage U <sub>e</sub> (V AC/DC)	500
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8
Utilisation category	AC23A
Nominal frequency (Hz)	50-60
Operating temperature (°C)	-25 ÷ 70
Mechanical endurance (cycles)	25000
Mechanical endurance with motor control (cycles)	25000
Electrical endurance (cycles) at I <sub>n</sub>	8000
Electrical endurance (cycles) at 0.5 I <sub>n</sub>	10000
Dimensions (W x H x D) (mm) - 4P	110 x 160 x 97
Weight (kg)	1.51

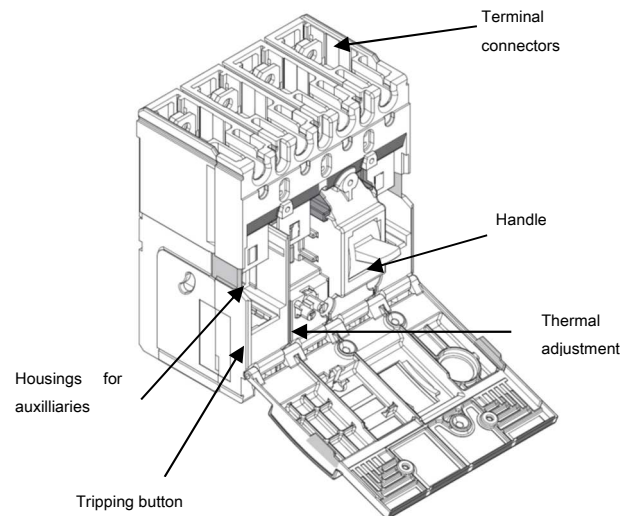
The maximum admissible (absolute) temperature is 125°C (for detail, see IEC 60947-1 and 60947-2).

DPX<sup>3</sup> product line has the possibility to supply both in "direct" and "reverse" feed.

If "direct", the word "LINE" needs to be marked on supply terminals (normally the top ones), as well as "LOAD" has to be written on the output terminals to be connected to the load (normally the bottom ones).

If "reverse", any indications about LINE / LOAD are NOT expected on the product.

## 6.1 Main parts constituting the circuit breaker



## 6.2 Breaking capacity (kA)

		Breaking capacity (kA) & I <sub>cs</sub>			
		4P	4P	4P	4P
IEC 60947-2	U <sub>e</sub> /I <sub>cu</sub>	E	B	F	N
	220/240 V AC	25	35	50	65
	380/415 V AC	16	25	36	50
	440/460 V AC	10	18	25	30
	480/500 V AC	8	10	12	15
	I <sub>cs</sub> (% I <sub>cu</sub> )	100	100	100	100
	Rated making capacity under short circuit I <sub>cm</sub>				
I <sub>cm</sub> (kA) at 415V	32	53	76	105	
NEMA AB-1	220/240 V AC	25	35	50	65
	480/500 V AC	8	10	12	15

## 6.3 Rated current (I<sub>n</sub>) at 40°C / 50°C

I <sub>n</sub> (A)	Assigned current trip			
	thermal		magnetic	
	L1-L2-L3	N	L1-L2-L3	N
16	16	16	400	400
25	25	25	400	400
40	40	40	400	400
63	63	63	630	630
80	80	63	800	800
100	100	63	1000	1000
125	125	80	1250	1250
160	160	100	1600	1600

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## 6.4 Load operations

Loads operation	
Rated current (A)	$I_n = 160A$
Opening (N)	45
Closing (N)	78
Reset (N)	75

## 6.5 Electrodynamic forces

The table below shows an indication of suggested distances to keep between the breaker and the first fixing point of the conductor and bars in order to reduce the effects of the electrodynamic stresses that may be created during a short circuit. In the realization of anchorage system it is recommend the use of isolators suitable for the type of conductor used and the operating voltage.

$I_{cc}$ (kA)	Maximum Distance (mm)
16	400
25	400
36	350
50	300

According to conductor type and bar system (except Legrand bar kits), the choice of the distance to keep is to be calibrated by the installer. Also installer must take into account the weight of the conductors so that this does not affect the electrical junction between the conductor itself and the connection point.

## 6.6 Power losses per pole under $I_n$

Circuit breaker

	Power losses per pole (W)							
	$I_n$ (A)							
	16	25	40	63	80	100	125	160
Cage terminals	2.4	4.9	4.9	5.8	8.1	9.9	9.4	12.5

Note: power losses in the table above are referred and measured as described in the standard IEC 60947-2 (Annex G) for circuit-breakers. Values in the table are referred to a single phase.

Switch disconnectors

	Power losses per pole (W)
	$I_n$ (A)
	160
Cage terminals	10

Note: power loss in the table above are referred and measured as described in the standard IEC 60947-3 for switches. Values in the table are referred to a single phase.

## 6.7 DERATINGS

according to IEC/EN 60947-1

### 6.7.1 Temperature

Rated current and his adjustment has to be considered relating to a rise or fall of ambient temperature and to a different version or installation conditions. The table below indicates the maximum long-time (LT) protection setting depending on the ambient temperature.

$I_n$ (A)	Temperature $T_a$ (°C)											
	-25	-20	-10	-5	0	10	20	30	40	50	60	70
16	22	21	20	20	20	19	18	16	16	16	14	13
25	34	33	32	31	31	30	28	25	25	25	22	21
40	54	53	51	50	49	48	45	41	40	40	36	34
63	85	83	81	79	78	76	71	65	63	63	58	55
80	108	106	102	100	99	96	90	84	80	80	72	67
100	135	132	128	126	123	120	112	102	100	100	94	90
125	169	165	160	157	154	150	140	127	125	125	112	105
160	216	211	205	201	197	192	179	168	160	160	145	139

### 6.7.2 Specific condition use

Climatic conditions

according to IEC/EN 60947-1 Annex Q, Cat. F subject to temperature, humidity, vibration, shock and salt mist.

Pollution degree

for DPX<sup>3</sup> 160 circuit breakers, degree 3, according to IEC/EN 60947-2

### 6.7.3 Altitude

Altitude derating for DPX<sup>3</sup> and DPX<sup>3</sup>-I

Altitude (m)	2000	3000	4000	5000
$U_e$ (V)	690	590	520	460
$I_n$ (A) ( $T_a = 40^\circ C/50^\circ C$ )	$I_n$	$0.98 \times I_n$	$0.93 \times I_n$	$0.9 \times I_n$



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## 7. CONFORMITY

DPX<sup>3</sup> range of product concerning circuit-breakers and switch-disconnectors exceed compliance with the IEC/EN standard 60947-2 and 60947-3 respectively. Certification available by IECEE CB-scheme or LOVAG Compliance scheme.

DPX<sup>3</sup> respect the European Directives REACH, RoHS, RAEE.

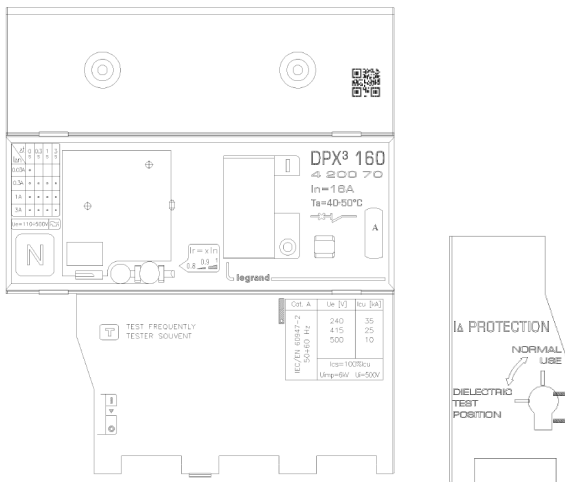
For specific information, please contact Legrand support.

### 7.1 Marking

Product (both circuit breakers and switch disconnectors) are provided with labelling in full conformity to the referred standard and directives requirements by laser or sticker labels (for illustrative purposes only) as:

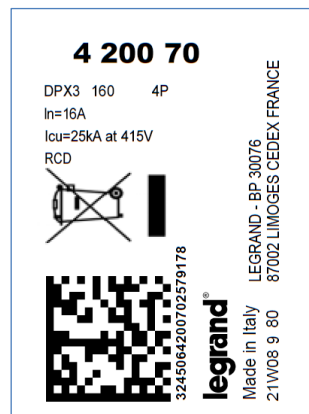
#### Product laser label on front

- Manufacturer responsible
- Denomination, type product, code
- Standard conformity
- Standard characteristics declared
- Coloured identification of I<sub>cu</sub> at 415V



#### Product sticker label on side

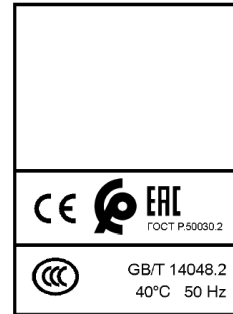
- Manufacturer responsible
- Denomination and type product
- Standard conformity
- Mark/Licence (if any)
- Directive requirements
- Bar code identification product
- Manufacturing Country



#### Mark sticker label on side

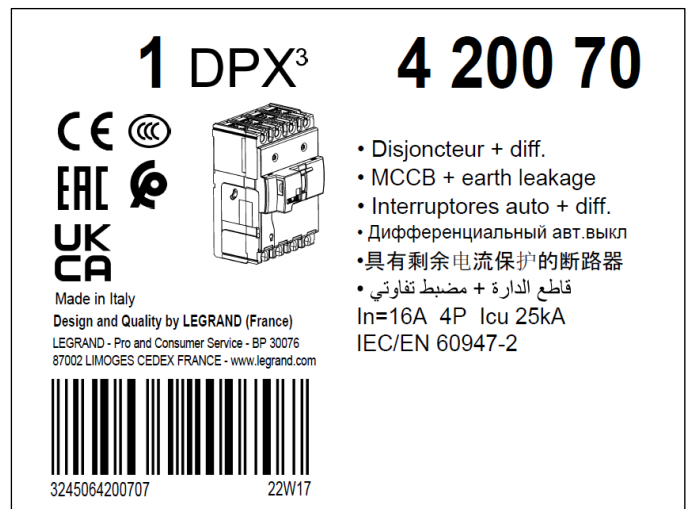
- Product code
- Mark/Licence (if any)
- Country deviation, if any

**4 200 70**



#### Packaging sticker label

- Manufacturer responsible
- Denomination and type product
- Mark/Licence (if any)
- Directive requirements
- Bar code identification product



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## 8. EQUIPMENTS AND ACCESSORIES

### 8.1 Releases (for DPX<sup>3</sup> 125/250 HP and DPX<sup>3</sup> 160/250)

- shunt releases with voltage:
 

12 Vac and dc	ref. 4 210 12
24 Vac and dc	ref. 4 210 13
48 Vac and dc	ref. 4 210 14
110÷130 Vac	ref. 4 210 15
220÷277 Vac	ref. 4 210 16
380÷480 Vac	ref. 4 210 17

Maximum power = 400 VA / W

- undervoltage releases with voltage:
 

12 Vac and dc	ref. 4 210 18
24 Vac and dc	ref. 4 210 19
48 Vac and dc	ref. 4 210 20
110÷130 Vac and dc	ref. 4 210 21
220÷240 Vac	ref. 4 210 22
277 Vac	ref. 4 210 23
380÷415 Vac	ref. 4 210 24
440÷480 Vac	ref. 4 210 25

Maximum power = 4 VA  
Circuit breaker opening time < 50 ms

- time-lag undervoltage releases (800 ms)  
*Time-lag modules with voltage:*

230 V ac	ref. 0 261 90
400 V ac	ref. 0 261 91

Release (to be equipped with a time-lag module 0 261 90/91) ref. 4 210 98

### 8.2 Auxiliary contact (for DPX<sup>3</sup> 125/250 HP and DPX<sup>3</sup> 160/250)

set of connectors for aux contacts ref. 4 210 44  
aux contacts (1NC and 1 NO) for all rotary handles ref. 4 210 10  
signalling contact plugged-in version ref. 4 210 48

Changeover switch 3A – 250 VAC ref. 4 210 11

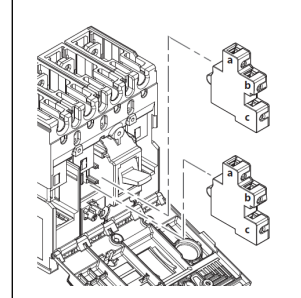
To show the state of the contacts or opening of the DPX<sup>3</sup> on a fault:

Auxiliary contact (standard) **OC**  
Fault signal **CTR**

Auxiliary contact		
Nominal voltage (V <sub>n</sub> )	V (AC or DC)	24 to 250
Intensity (A)	24 V DC	5
	48 V DC	1.7
	110 V DC	0.5
	230 V DC	0.25
	110 V AC	4
	230/250 V AC	3

Configurations:

DPX<sup>3</sup> 160 → 1 auxiliary contact + 1 fault signal



To get more information on auxiliary mounting procedures, please refer to product instruction sheet.

### 8.3 Rotary handles

#### Direct

- DPX<sup>3</sup> direct rotary handle ref. 4 210 01
- DPX<sup>3</sup> emergency direct rotary handle ref. 4 210 02

#### Vari-depth handle IP55

- DPX<sup>3</sup> vari depth rotary handle ref. 4 210 04
- DPX<sup>3</sup> emergency vari depth rotary handle ref. 4 210 05

#### Locking accessories

- Ronis type flat key (cod. ABA90GEL6149) for direct rotary handle ref. 4 210 06
- Profalux type star key (cod. HBA90GPS6149) for direct rotary handle ref. 4 210 07
- Ronis type flat key (cod. ABA90GEL6149) for vari-depth handle ref. 4 210 08
- Profalux type flat key (cod. HBA90GPS6149) for vari-depth handle ref. 4 210 09

### 8.4 Mechanical accessories

#### Insulated shields (phase barriers)

- Set of 36 ref. 4 210 70

#### Sealable terminal shields

- sealable terminal shield for rear terminals 4P ref. 4 210 51
- sealable terminal shield for front spreaders 4P ref. 4 210 55

#### Padlocks

- DPX<sup>3</sup> padlock accessory for handle ("open" position) ref. 4 210 49

#### Interlock

- DPX<sup>3</sup> interlock for fixed version ref. 4 210 58

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## 8.5 Connection accessories

### Cage terminals

- terminals for Cu cables kit (3) - flex 1x70mm<sup>2</sup>, rigid 1x95mm<sup>2</sup>, bar/cable lug 14mm ref. 4 210 93
- terminals for Cu cables kit (4) - flex 1x70mm<sup>2</sup>, rigid 1x95mm<sup>2</sup>, bar/cable lug 14mm ref. 4 210 94
- high capacity terminals for Al or Cu cables kit (3) - flex 1x120mm<sup>2</sup>, rigid 1x150mm<sup>2</sup>, bar/cable lug 18mm ref. 4 210 26
- high capacity terminals for Al or Cu cables kit (4) - flex 1x120mm<sup>2</sup>, rigid 1x150mm<sup>2</sup>, bar/cable lug 18mm ref. 4 210 27
- rack screw and nut for cable lug kit (3) ref. 4 210 28
- rack screw and nut for cable lug kit (4) ref. 4 210 29

### Front spreaders

- DPX<sup>3</sup> front spreaders for 4P DPX<sup>3</sup> 160 (set of 4) ref. 4 210 33

### Cage terminal use specifications

DPX <sup>3</sup> 160							
Type of cage terminal	Cable standard suggested cross section (mm <sup>2</sup> )*			Dimensions limits of cable for cage terminals			
	In (A)	Cu	Al	MIN cross section (mm <sup>2</sup> )		MAX cross section (mm <sup>2</sup> )	
				Flexible	Rigid	Flexible	Rigid
Standard	16	2,5	4	2,5	4	70	95
	20	2,5	4				
	25	4	6				
	32	6	10				
	40	10	16				
	50	10	16				
	63	16	25				
	80	25	35				
	100	35	\				
High capacity	125	50	\	35	35	95	120
	160	70	\				
	80	25	35				
	100	35	50				
	125	50	70				
	160	70	\				

## 8.6 Mounting on rail fixing plate

- DPX<sup>3</sup> 160 4P with earth leakage module ref. 4 210 73



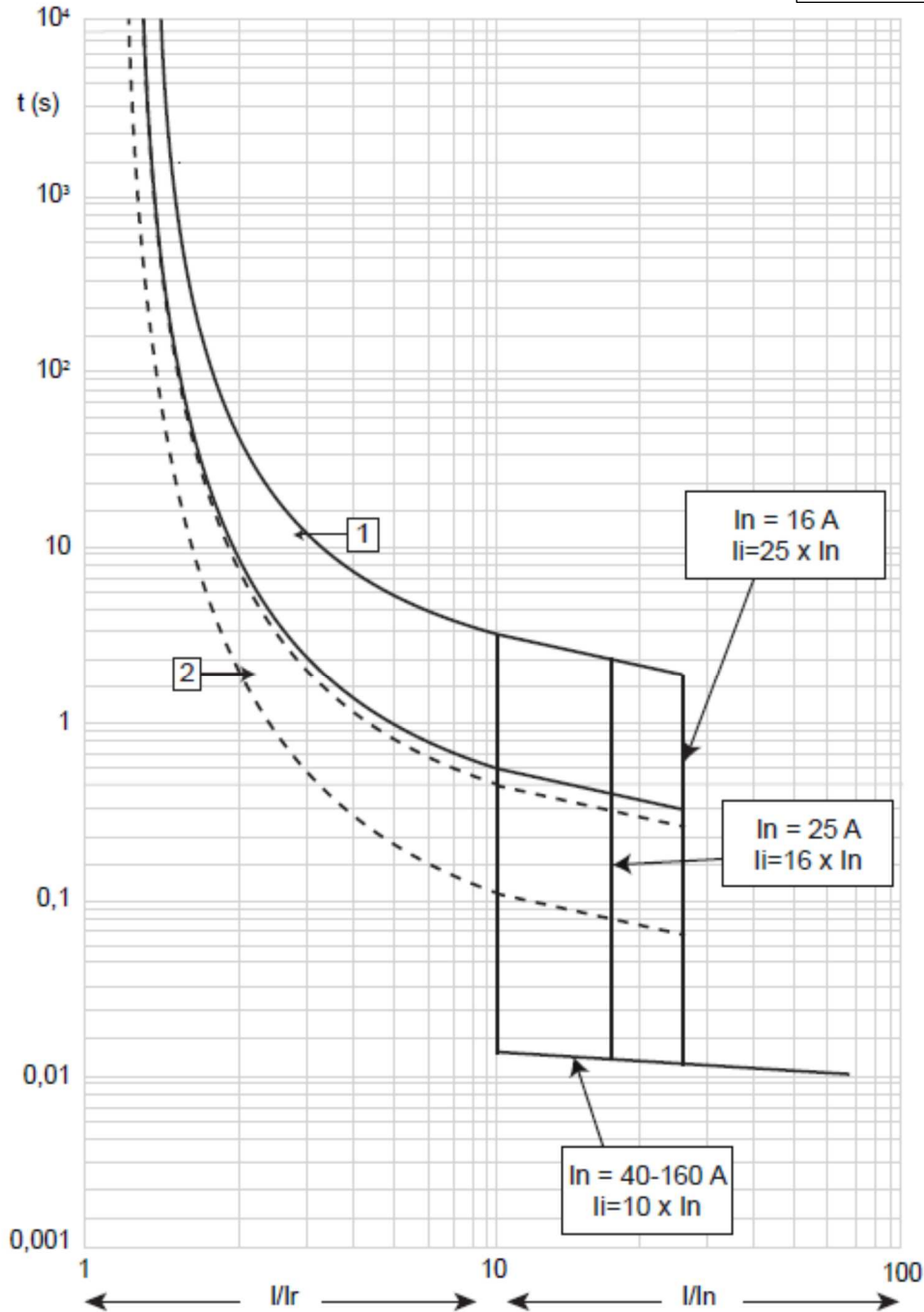
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## 9. CURVES

### 9.1 Thermal magnetic tripping curve

Update: 10/02/2017



$I_{cu} = 16-25-36-50 \text{ kA}$   $I_{max} = 160 \text{ A}$  4 P  $U_o = 415 \text{ Vac}$

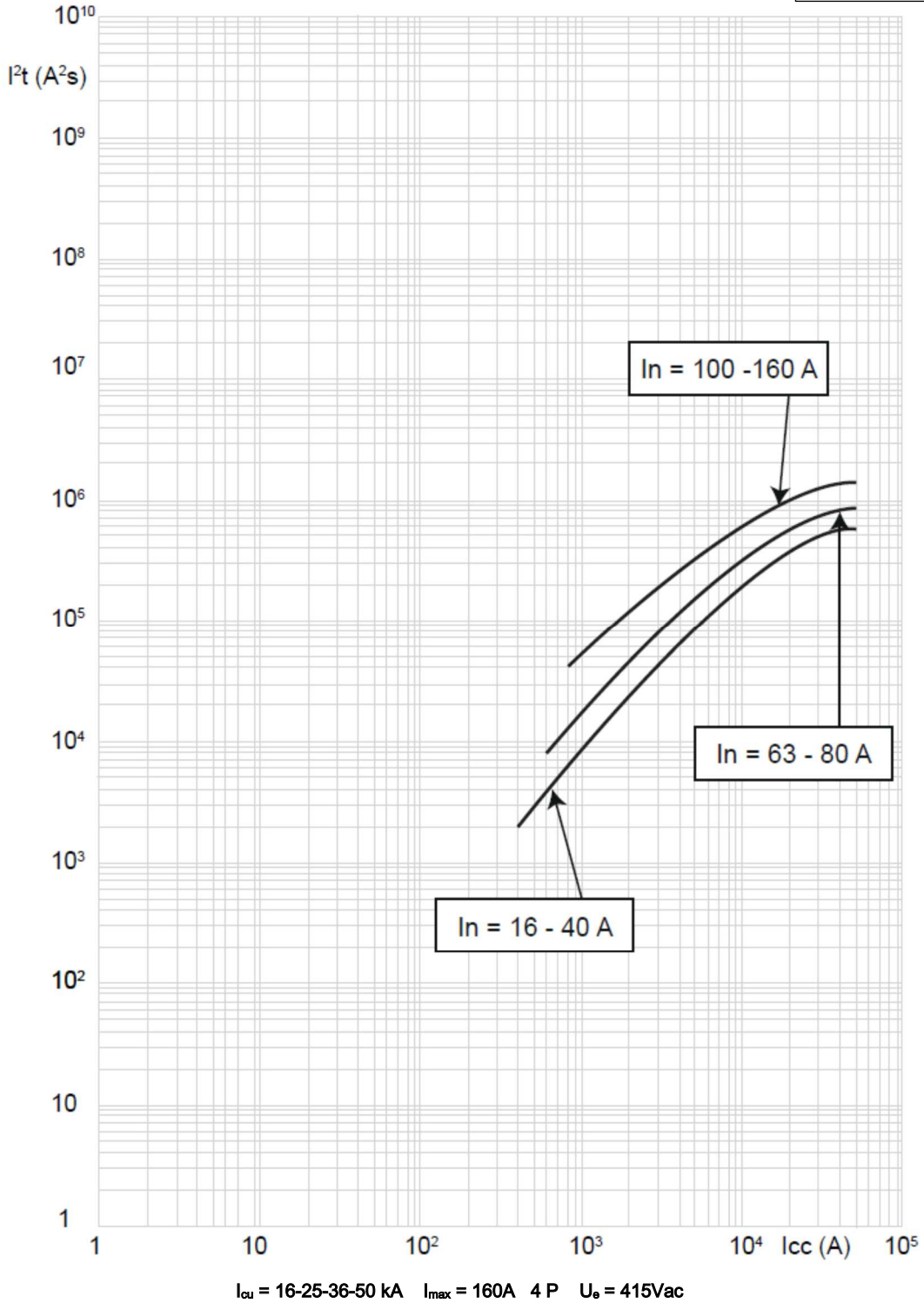
Value	Description
t	time
I	current
$I_n$	rated current

# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197

## 9.2 Pass-through specific energy characteristic curve

Update: 10/02/2017



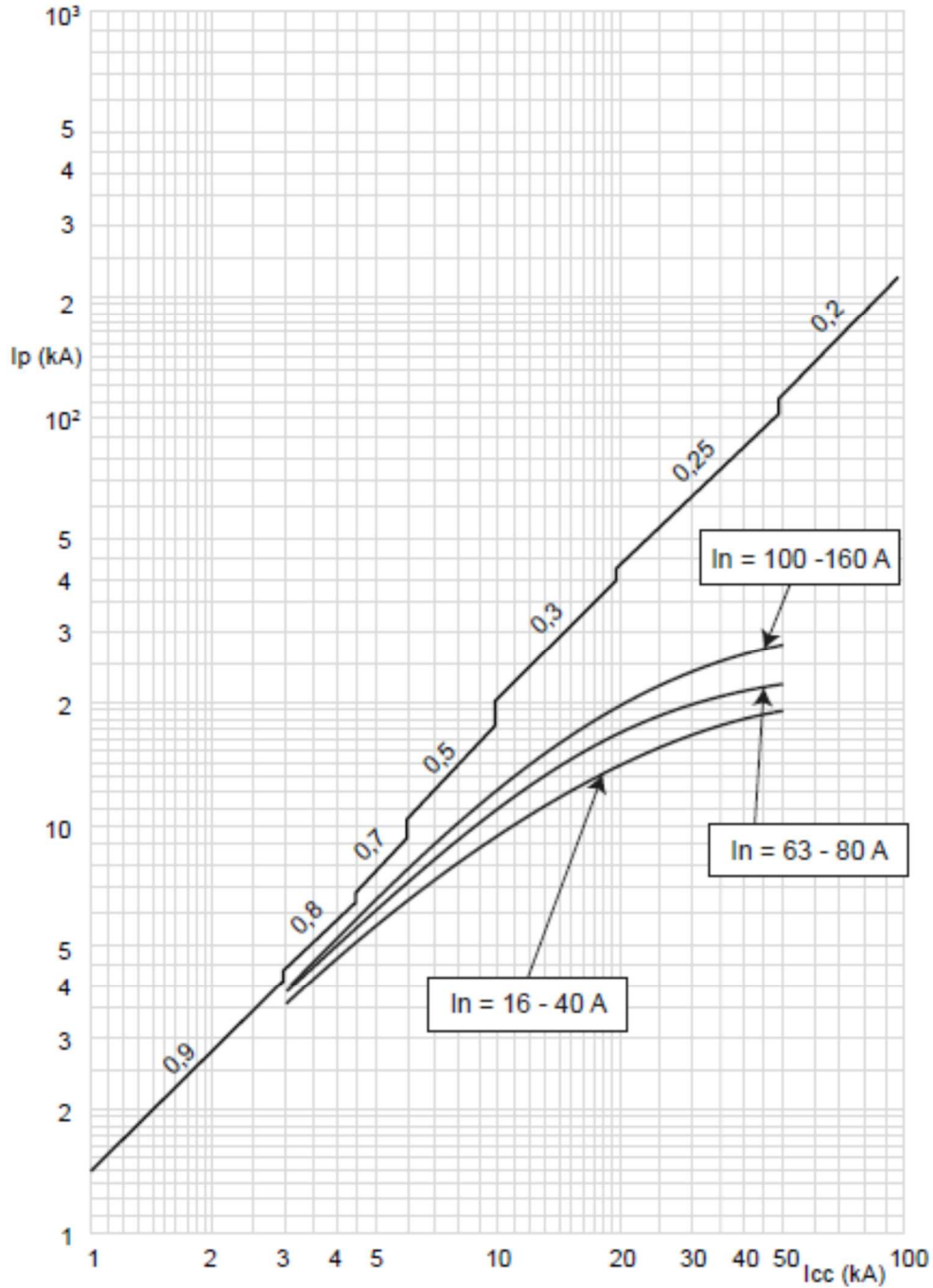
Value	Description
$I_{cc}$	short circuit current
$I^2t \text{ (A}^2\text{s)}$	pass-through specific energy

# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197

## 9.3 Cut-off peak current characteristic curve (kA)

Update: 10/02/2017



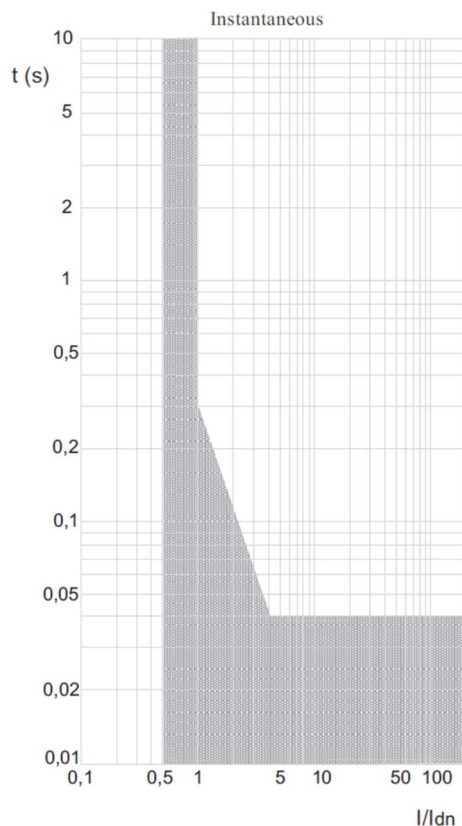
$I_{cu} = 16-25-36-50 \text{ kA}$   $I_{max} = 160A$  4 P  $U_e = 415V_{ac}$

Value	Description
$I_{cc}$	estimated short circuit symmetrical current (RMS value)
$I_p$	maximum short circuit peak current
	maximum prospective short circuit peak current corresponding at the power factor
	maximum real peak short circuit current

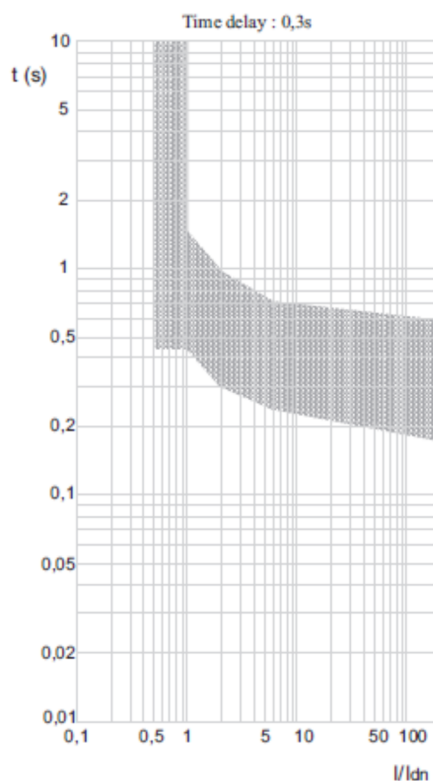
# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197

## 9.4.1 Earth leakage curve, instantaneous



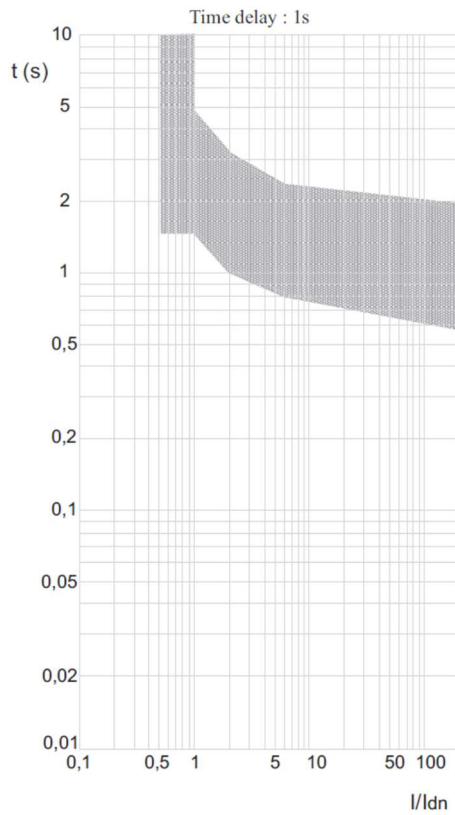
## 9.4.2 Earth leakage curve, time delay = 0.3 s



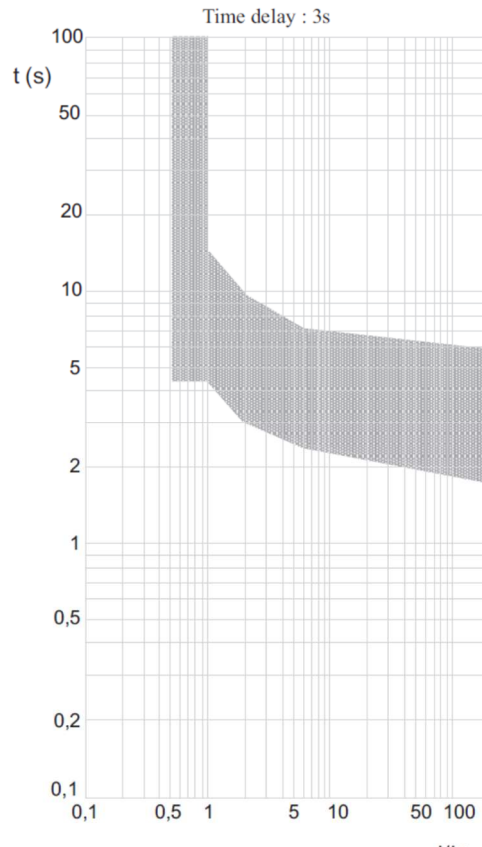
# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197

## 9.4.3 Earth leakage curve, time delay = 1 s



## 9.4.4 Earth leakage curve, time delay = 3 s



# DPX<sup>3</sup> 160 thermal magnetic with earth leakage circuit breakers and DPX<sup>3</sup>-I 160 switch disconnectors with earth leakage

Reference(s) : 420 030/ 031/ 032/033/ 034/ 035/ 036/ 037/ 070/ 071/ 072/ 073/ 074/ 075/ 076/ 077/ 110/ 111/ 112/ 113/ 114/ 115/ 116/ 117/ 150/151/152/153/154/155/156/157/197

## A) Derating Temperature and configurations

Fixed version		Ambient temperature									
		30 °C		40 °C		50 °C		60 °C		70 °C	
		I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>
DPX <sup>3</sup> 160 + RCD fixed - vertical installation	Flexible cable	160	1	160	1	144	0.9	128	0.8	104	0.65
	Flexible cable + sealable terminal shields	160	1	160	1	144	0.9	120	0.75	96	0.6
	Semirigid cable	160	1	160	1	144	0.9	128	0.8	104	0.65
	Semirigid cable + sealable terminal shields	160	1	160	1	144	0.9	120	0.75	96	0.6
	Clamps, flexible cable	160	1	160	1	144	0.9	128	0.8	104	0.65
	Clamps, flexible cable + sealable terminal shields	160	1	160	1	144	0.9	120	0.75	96	0.6
	Clamps, semirigid cable	160	1	160	1	144	0.9	128	0.8	104	0.65
	Clamps, semirigid cable + sealable terminal shields	160	1	160	1	144	0.9	120	0.75	96	0.6
	Cage terminals, flexible cable	160	1	152	0.95	128	0.8	120	0.75	96	0.6
	Cage terminals, semirigid cable	160	1	152	0.95	128	0.8	120	0.75	96	0.6
	Spreaders, flexible cable	160	1	160	1	136	0.85	120	0.75	96	0.6
	Spreaders, semirigid cable	160	1	160	1	136	0.85	120	0.75	96	0.6
	Rear terminals, flexible cable + sealable terminal shields	160	1	160	1	136	0.85	112	0.7	88	0.55
	Rear terminals, semirigid cable + sealable terminal shields	160	1	160	1	136	0.85	112	0.7	88	0.55
DPX <sup>3</sup> 160 + RCD fixed - horizontal installation	Flexible cable	152	0.95	152	0.95	128	0.8	112	0.7	96	0.6
	Flexible cable + sealable terminal shields	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Semirigid cable	152	0.95	152	0.95	128	0.8	112	0.7	96	0.6
	Semirigid cable + sealable terminal shields	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Clamps, flexible cable	152	0.95	152	0.95	128	0.8	112	0.7	96	0.6
	Clamps, flexible cable + sealable terminal shields	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Clamps, semirigid cable	152	0.95	152	0.95	128	0.8	112	0.7	96	0.6
	Clamps, semirigid cable + sealable terminal shields	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Cage terminals, flexible cable	144	0.9	136	0.85	120	0.75	104	0.65	88	0.55
	Cage terminals, semirigid cable	144	0.9	136	0.85	120	0.75	104	0.65	88	0.55
	Spreaders, flexible cable	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Spreaders, semirigid cable	152	0.95	144	0.9	128	0.8	112	0.7	88	0.55
	Rear terminals, flexible cable + sealable terminal shields	144	0.9	128	0.8	120	0.75	104	0.65	80	0.5
	Rear terminals, semirigid cable + sealable terminal shields	144	0.9	128	0.8	120	0.75	104	0.65	80	0.5

Data indicated in this document refers exclusively to test conditions according to product standards, unless otherwise indicated in the documentation.

For the different conditions of use of the product, inside electrical equipment or in any case inserted in the installation context, refer to the regulatory requirements of the equipment, local regulations and design specifications of the system