

DPX³ 160 thermal magnetic circuit breakers with earth leakage

DPX³-I 160 trip-free switches with earth leakage

Cat.Nos:

4 200 30 - 4 200 31 - 4 200 32 - 4 200 33 - 4 200 34 - 4 200 35
4 200 36 - 4 200 37 - 4 200 70 - 4 200 71 - 4 200 72 - 4 200 73
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1. USE

DPX³ 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.

DPX³ platform provides 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

■ 2.1 DPX³ 160 thermal magnetic circuit breaker with earth leakage

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

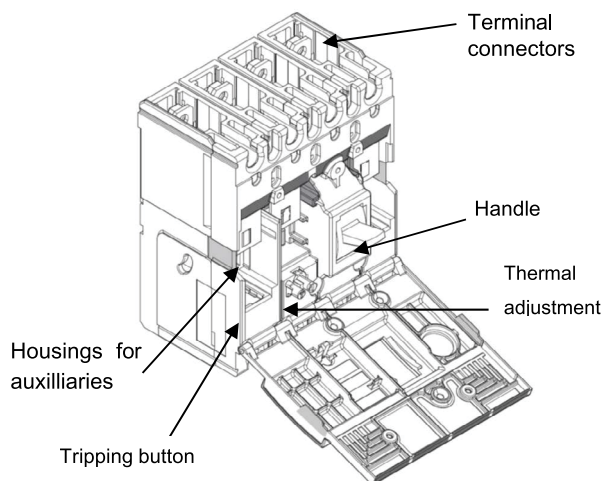
■ 2.2 DPX³-I 160 trip-free switch with earth leakage

In (A)	4P
160	4 201 97

■ 2.3 Composition

The circuit breaker is supplied with:

- fixing screws
- cage terminal (70 mm² max. for flexible cable, or 95 mm² max. for rigid cable)
- insulating shields (phase barriers)



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3. TECHNICAL CHARACTERISTICS

■ 3.1 Electrical characteristics

DPX ³ 160 thermal magnetic circuit breakers with earth leakage	
Rated current	16 A, 25 A, 40 A, 63 A, 80 A, 100 A, 125 A, 160 A
Poles	4P
Pole pitch	27 mm
Rated insulation voltage (50/60Hz) Ui	500 V
Rated operating voltage (50/60Hz) Ue	500 V
Rated impulse withstand current Uimp	6 kV
Rated frequency	50 Hz - 60 Hz
Reference ambient temperature	40 °C - 50 °C
Operating temperature	-25 °C to 70 °C
Electrical endurance at In (cycles)	8000
Electrical endurance at 0.5 x In (cycles)	10000
Utilization category	A
Suitable for isolation	Yes
Type of protection	Thermal-magnetic with earth leakage
Thermal adjustment Ir	(0.8 ÷ 1) x In
Magnetic adjustment Ii (A)	400 A (In up to 40 A); 10 x In (In > 40 A)
Neutral protection for 4P (%Ith of phase pole)	100
Earth leakage type	A - integrated
Adjustable sensitivity	0.03 A - 0.3 A - 1 A - 3 A
Adjustable tripping	0s - 0.3s - 1s - 3s (only 0s with 0.03 A)
Reverse feed	Yes

DPX ³ -I 160 trip-free switches with earth leakage	
Uninterrupted nominal current Ie	160 A
Short-time resistive current Icw for 1s	2 kA
Rated short-circuit making capacity Icm	3 kA
Rated insulation voltage Ui	800 V~
Maximum rated operating voltage Ue	690 V~/=
Rated impulse withstand voltage Uimp	8 kV
Utilisation category	AC23A
Suitable for isolation	Yes
Rated frequency (Hz)	50 Hz - 60 Hz
Operating temperature	-25 °C to 70 °C
Electrical endurance at In (cycles)	8000
Electrical endurance at 0.5 x In (cycles)	10000
Reverse feed	Yes

The maximum temperature allowed on power terminals is 125 °C (absolute). For details, see IEC 60947-1 and 60947-2.

Breaking capacity

Breaking capacity (kA) & Ics					
IEC 60947-2	Ue	Icu			
		16 kA	25 kA	36 kA	50 kA
	220/240 V~	25	35	50	65
	380/415 V~	16	25	36	50
	440/460 V~	10	18	25	30
	480/500 V~	8	10	12	15
	Ics (% Icu)	100			
	Rated making capacity under short circuit Icm				
	Icm (kA) at 415 V	32	53	76	105

Rated current (In) at 40 °C / 50 °C

Phases limit trip current				
Thermal (Ir)			Magnetic (Ii)	
In (A)	L1 - L2 - L3	N	L1 - L2 - L3	N
16	16	16	400	
25	25	25	400	
40	40	40	400	
63	63	63	630	
80	80	63	800	
100	100	63	1000	
125	125	80	1250	
160	160	100	1600	

■ 3.2 Mechanical characteristics

Mechanical endurance (cycles): 25000

Mechanical endurance with motor control (cycles): 25000

Load operations

	Force on handle (N)
Opening operation	45
Closing operation	78
Restore operation	75

■ 3.3 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.

Icc (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, the installer must take into account the weight of the conductors so that it does not affect the electrical junction between the conductor itself and the connection point.

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3. TECHNICAL CHARACTERISTICS (continued)

■ 3.4 Power losses per pole under In (W)

Disjoncteurs								
In (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
High capacity cage terminals	2.5	4.9	5.0	6.0	8.3	10.3	10.0	13.6
Lugs	2.5	4.9	5.0	6.0	8.4	10.4	10.1	13.7
Spreaders	2.5	4.9	5.0	6.0	8.4	10.4	10.1	13.7
Rear terminals*	2.5	4.9	5.0	6.0	8.4	10.4	10.1	13.7
Plug-in version*	2.6	5.2	5.7	7.9	11.3	15.0	17.3	25.5

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.

* Products available only for maintenance of existing installations. For further information, please contact Legrand. If you need to integrate these accessories into a new installation, please refer to the DPX³ HP range.

Interrupteurs-sectionneurs	
In (A)	160
Cage terminals	8,2
High capacity cage terminals	9,0
Lugs	8,9
Spreaders	9,0
Rear terminals*	9,0
Plug-in version*	22,2

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

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4. INSTALLATION RULES

According to IEC/EN 60947-1.

Temperature deratings

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.

Temperature Ta (°C)												
In (A)	-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

For derating temperature with other configurations, see table below.

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4. INSTALLATION RULES (continued)

Ambient temperature	30 °C		40 °C		50 °C		60 °C		70 °C	
	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n
Fixed version - vertical installation										
Flexible/semirigid cable	160	1	160	1	144	0.90	128	0.80	104	0.65
Flexible/semirigid cable + sealable terminal shields	160	1	160	1	144	0.90	120	0.75	96	0.60
Clamps, flexible/semirigid cable	160	1	160	1	144	0.90	128	0.80	104	0.65
Clamps, flexible/semirigid cable + sealable terminal shields	160	1	160	1	144	0.90	120	0.75	96	0.60
Cage terminals, flexible/semirigid cable	160	1	152	0.95	128	0.80	120	0.75	96	0.60
Spreaders, flexible/semirigid cable	160	1	160	1	136	0.85	120	0.75	96	0.60
Rear terminals*, flexible/semirigid cable + sealable terminal shields	160	1	160	1	136	0.85	112	0.7	88	0.55
Fixed version - horizontal installation										
Flexible/semirigid cable	152	0.95	152	0.95	128	0.80	112	0.70	96	0.60
Flexible/semirigid cable + sealable terminal shields	152	0.95	144	0.90	128	0.80	112	0.70	88	0.55
Clamps, flexible/semirigid cable	152	0.95	152	0.95	128	0.80	112	0.70	96	0.60
Clamps, flexible/semirigid cable + sealable terminal shields	152	0.95	144	0.90	128	0.80	112	0.70	88	0.55
Cage terminals, flexible/semirigid cable	144	0.90	136	0.85	120	0.75	104	0.65	88	0.55
Spreaders, flexible/semirigid cable	152	0.95	144	0.90	128	0.80	112	0.70	88	0.55
Rear terminals*, flexible/semirigid cable + sealable terminal shields	144	0.9	128	0.8	120	0.75	104	0.65	80	0.5

For further technical information, please contact Legrand technical support.

* Products available only for maintenance of existing installations. For further information, please contact Legrand. If you need to integrate these accessories into a new installation, please refer to the DPX³ HP range.

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

Electromagnetic disturbances (EMC): for DPX³ 160 circuit breakers, according to IEC/EN 60947-2 Annex B.

Pollution degree: for DPX³ 160 circuit breakers with earth leakage, degree 3, according to IEC/EN 60947-2.

Altitude

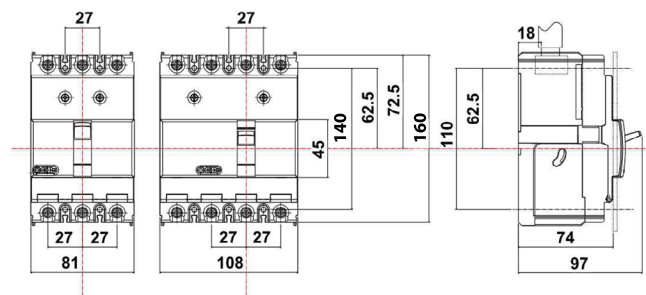
Altitude derating for DPX³ and DPX³-I

Altitude (m)	2000	3000	4000	5000
U _e (V)	690	590	520	460
I _n (A) (T _a = 40 °C / 50 °C)	1 x I _n	0.98 x I _n	0.93 x I _n	0.9 x I _n

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4P (W x H x D): 110 x 160 x 97

Device without accessories

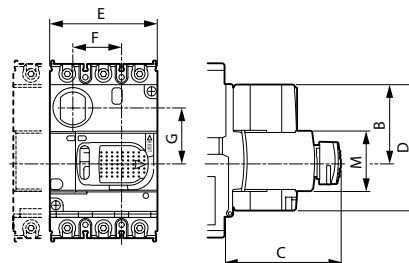
Technical drawing showing the 1000 Series Motor Mounting Dimensions. The drawing includes a top view and a side view of the motor mounting plate. The top view shows a central rectangular area with four mounting holes, each with a diameter of $\varnothing 8.5$. The distance between the centers of the two outer holes is 17.75, and the distance between the centers of the two inner holes is 35. The total width of the mounting plate is 43.5. The side view shows the thickness of the plate, which is 23. The drawing is labeled "1000 Series Motor Mounting Dimensions".

The technical drawing illustrates the dimensions of the 600 Series lock cylinder from three perspectives:

- Front View (Left):** Shows the main body of the cylinder. Key dimensions include a width of 139,5 mm, a depth of 80,5 mm, a total length of 220,5 mm, and a height of 143 mm. A specific feature is dimensioned at 45 mm.
- Side View (Right):** Shows the profile of the cylinder. The height is dimensioned as 73,5 mm.
- Top View (Bottom):** Shows the base of the cylinder. The width is dimensioned as 102,7 mm.

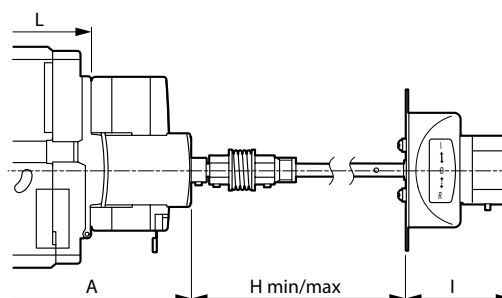
A (mm)	B (mm)	C (mm)
108	160	72.5

With direct rotary handle



B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	M (mm)
57	155	94	93	36.5	41.7	45

With vari-depth rotary handle



A (mm)	H (min.) (mm)	H (max.) (mm)	I (mm)	L (mm)
122	132	361	62	74

Configuration	4P
Circuit breaker/trip-free switch	1.89
Direct rotary handle*	0.35
Vari depth rotary handle*	0.72
Interlock*	1.08
Spreader*	0.17

* to add to device weight

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6. CONNECTIONS

Possible way of assembly on DIN rail:

- vertical
- horizontal

To ensure the circuit breaker's connection, it is possible to use:

- busbars;
- cables lugs;
- cables;
- extended front terminals;
- cage terminals;

	Cage terminals capacity
Bars	14 mm wide max.
Flexible cables	1.5 mm ² min. / 70 mm ² max.
Rigid cables	1.5 mm ² min. / 95 mm ² max.

For detailed mounting procedures, see instruction sheet.

7. EQUIPMENTS AND ACCESSORIES

■ 7.1 Releases

There are 3 types of releases (suitable for DPX³ 125/160/250 HP and DPX³ 160/250):

Shunt releases (ST)

12 V~/=	Cat.No 4 210 12
24 V~/=	Cat.No 4 210 13
48 V~/=	Cat.No 4 210 14
110 to 130 V~	Cat.No 4 210 15
220 to 277 V~	Cat.No 4 210 16
380 to 480 V~	Cat.No 4 210 17
Maximum power = 400 VA / W	

Undervoltage releases (UVR)

12 V~/=	Cat.No 4 210 18
24 V~/=	Cat.No 4 210 19
48 V~/=	Cat.No 4 210 20
110 to 130 V~/=	Cat.No 4 210 21
220 to 240 V~	Cat.No 4 210 22
277 V~	Cat.No 4 210 23
380 to 415 V~	Cat.No 4 210 24
440 to 480 V~	Cat.No 4 210 25
Maximum power = 4 VA	
Circuit breaker opening time < 50 ms	

Time-lag undervoltage releases (800 ms)

- Release	Cat.No 4 210 98
to be equipped with a time-lag module:	
- 230 V~	Cat.No 0 261 90
- 400 V~	Cat.No 0 261 91

■ 7.2 Auxiliary contacts

It is used to show the state of the contacts or opening of the DPX³ / DPX³-I on a fault.

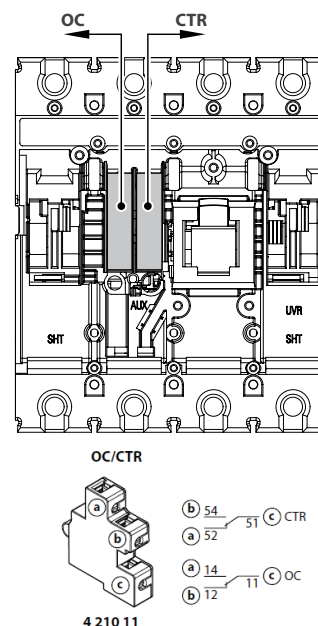
- Standard auxiliary contact (OC) / Fault signal (CTR) Cat.No 4 210 11

Rated voltage (Vn)	Intensity (A)
24 V=	5
48 V=	1.7
110 V=	0.5
230 V=	0.25
110 V~	4
230/250 V~	3

- Set of connectors for auxiliary contacts Cat.No 4 210 44
- Auxiliary contacts (1NC and 1 NO) Cat.No 4 210 10
- Signalling contact plugged-in version* Cat.No 4 210 48

* Products available only for maintenance of existing installations. For further information, please contact Legrand. If you need to integrate these accessories into a new installation, please refer to the DPX³ HP range.

Configurations



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

■ 7.3 Rotary handles

There are 4 types of suited rotary handles (also compatible with DPX³ 250):

Direct on DPX³ (with auxiliary option and compatible with XL³)

- Standard (black) Cat.No 4 210 01
- For emergency use (red / yellow) Cat.No 4 210 03

Vari-depth handle IP55 (with auxiliary option and compatible with XL³)

- Standard (black) Cat.No 4 210 04
- For emergency use (red/yellow) Cat.No 4 210 05

Locking accessories (for rotary handle with auxiliary option)

For direct rotary handle:

- Key barrel and flat key N° ABA90GEL6149 Cat.No 4 210 06
- Key barrel and star key N° HBA90GPS6149 Cat.No 4 210 07

For vari-depth rotary handle:

- Key barrel and flat key N° ABA90GEL6149 Cat.No 4 210 08
- Key barrel and star key N° HBA90GPS6149 Cat.No 4 210 09

Direct on DPX³ (general purpose)

- Standard (black) Cat.No 4 201 60
- For emergency use (red/yellow) Cat.No 4 201 73

Vari-depth handle IP55 (general purpose)

- Standard (black) Cat.No 4 201 61
- For emergency use (red/yellow) Cat.No 4 201 74

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7. EQUIPMENTS AND ACCESSORIES (continued)

■ 7.3 Rotary handles (continued)

Locking accessories (for general purpose rotary handle)

Key barrel and flat key:

- For direct rotary handles (random marking)	Cat.No 4 201 64
- For direct handles (EL43525 marking)	Cat.No 4 201 65
- For direct handles (EL43363 marking)	Cat.No 4 201 66
- For vari-depth handles (random marking)	Cat.No 4 201 67
- For vari-depth handles (EL43525 marking)	Cat.No 4 201 68
- For vari-depth handles (EL43363 marking)	Cat.No 4 201 69

■ 7.4 Motor operators

Side motor operator 24 - 230 V~/...	Cat.No 4 210 60
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Locking accessories for side motor operator

- Key barrel and flat key N° ABA90GEL6149	Cat.No 4 210 65
- Key barrel and star key N° HBA90GPS6149	Cat.No 4 210 66
- Padlock	Cat.No 4 210 67

■ 7.5 Mechanical accessories

Padlocks (for locking in "open" position)

DPX ³ padlock accessory for handle	Cat.No 4 210 49
Cat.No 4 210 49 is compatible with DPX ³ 125/160/250 HP and DPX ³ 160/250.	

Insulated shields (phase barriers)

Set of 36	Cat.No 4 210 70
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Sealable terminal shields

- for front terminals 4P	Cat.No 4 210 55
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Fixing plates for transfer switches

Plate for mounting and interlocking 2 DPX ³ . It can be either 2 DPX ³ 160 ; 2 DPX ³ 250; or 1 DPX ³ 160 and 1 DPX ³ 250.	
For fixed version	Cat.No 4 210 58

Fixing plates

For fixing the circuit breaker on rail or on plate.	
For DPX ³ 4P with earth leakage module	Cat.No 4 210 73

■ 7.6 Connection accessories

Front spreaders

- Set of 4 (for 4P)	Cat.No 4 210 33
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Rack screw and nut

- Set of 4 rack screw and nut for cable lug kit	Cat.No 4 210 29
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Cage terminals

- Set of 4 standard terminals for 1 x 95 mm ² max. (rigid) or 1 x 70 mm ² max. (flexible) Cu/Al cables and 14 mm bars (for Al cables In max 80 A)	Cat.No 4 210 94
- Set of 4 high capacity terminals for 1 x 150 mm ² max. (rigid) or 1 x 120 mm ² max. (flexible) Cu/Al cables and 18 mm bars (for Al cables In max 125 A)	Cat.No 4 210 27

Cage terminal use specifications

Cable standard suggested cross-section (mm ²)*			
	In (A)	Cu	Al
Standard cage terminals Cat.Nos 4 210 94	16	2.5	4
	20	2.5	4
	25	4	6
	32	6	10
	40	10	16
	50	10	16
	63	16	25
	80	25	35
	100	35	-
	125	50	-
High capacity cage terminals Cat.Nos 4 210 27	160	70	-
	80	25	35
	100	35	50
	125	50	70
	160	70	-

* The suggested cross-section are in compliance with standard IEC 60947-1 (ed.6 2020/04) and IEC 60947-2 (ed.5.1 2019/07)

Dimensions limits of cable for cage terminals				
Standard cage terminals Cat.Nos 4 210 94	Min. cross-section (mm ²)		Max. cross-section (mm ²)	
	Flexible	Rigid	Flexible	Rigid
	2.5	4	70	95
High capacity cage terminals Cat.Nos 4 210 27	Min. cross-section (mm ²)		Max. cross-section (mm ²)	
	Flexible	Rigid	Flexible	Rigid
	35		95	120

Note: when the cross-section exceeds the maximum value specified for the material, the admissible current is limited to the value indicated in the previous table for the recommended standard cable cross-section.

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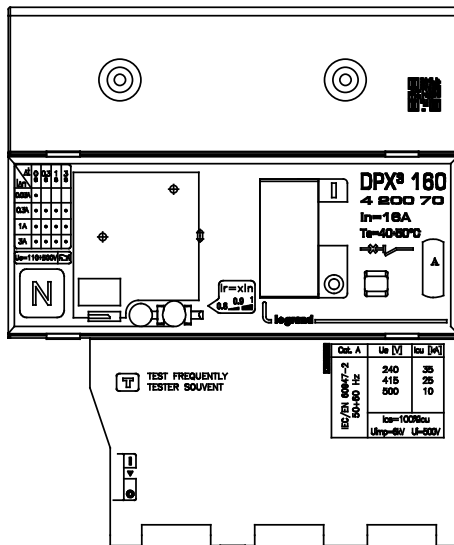
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8. MARKING

Products (both circuit breakers and trip-free switches) are provided with labelling in full conformity to the referred standard and directives requirements by laser or sticker labels (for illustrative purposes only):

Product laser label (front face)

- Manufacturer responsible
- Denomination, type product, code
- Standard conformity
- Standard characteristics declared
- Colored identification of Icu at 415 V



Product sticker label (on the side)

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

4 200 70

DPX3 160 4P
In=16A
Icu=25kA at 415V
RCD



3245064200702579178

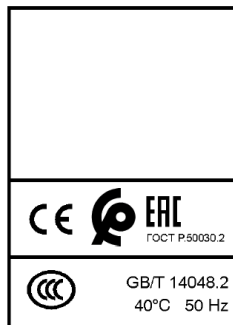
legrand®

LEGRAND - BP 30076
87002 LIMOGES CEDEX FRANCE
Made in Italy
21W08 9 80

Mark sticker label (on the side)

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

4 200 70

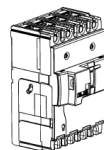


Packaging sticker label

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

1 DPX³

4 200 70



Made in Italy
Design and Quality by LEGRAND (France)
LEGRAND - Pro and Consumer Service - BP 30076
87002 LIMOGES CEDEX FRANCE - www.legrand.com



3245064200707

22W17

- Disjoncteur + diff.
- MCCB + earth leakage
- Interruptores auto + diff.
- Дифференциальный авт.выкл
- 具有剩余电流保护的断路器
- قاطع الدارة + مضبط تفاوتي
- In=16A 4P Icu 25kA
- IEC/EN 60947-2

DPX³ 160 thermal magnetic circuit breakers
with earth leakage

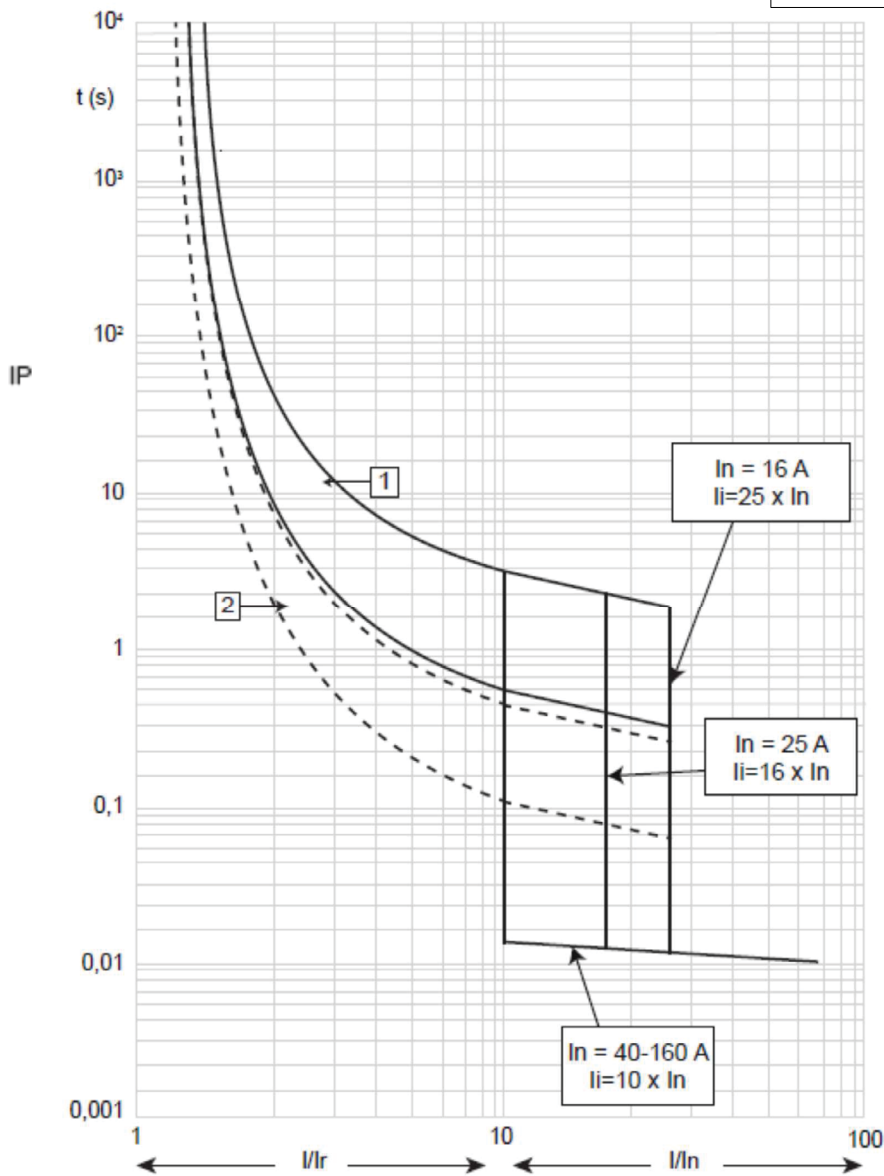
DPX³-I 160 trip-free switches
with earth leakage

Cat.Nos:
4 200 30 - 4 200 31 - 4 200 32 - 4 200 33 - 4 200 34 - 4 200 35
4 200 36 - 4 200 37 - 4 200 70 - 4 200 71 - 4 200 72 - 4 200 73
4 200 74 - 4 200 75 - 4 200 76 - 4 200 77 - 4 201 10 - 4 201 11
4 201 12 - 4 201 13 - 4 201 14 - 4 201 15 - 4 201 16 - 4 201 17
4 201 50 - 4 201 51 - 4 201 52 - 4 201 53 - 4 201 54 - 4 201 55
4 201 56 - 4 201 57 - 4 200 97

9. CURVES

9.1 Thermal magnetic tripping curve

Update: 10/02//2017



Icu = 16-25-36-50 kA Imax = 160 A 3-4 P Ue = 415 V~

Value	Description
t	Time
I	Current
In	Rated current
Ir	Long time setting current
Curve 1	Characteristic with cold start
Curve 2	Characteristic with hot start

DPX³ 160 thermal magnetic circuit breakers
with earth leakage

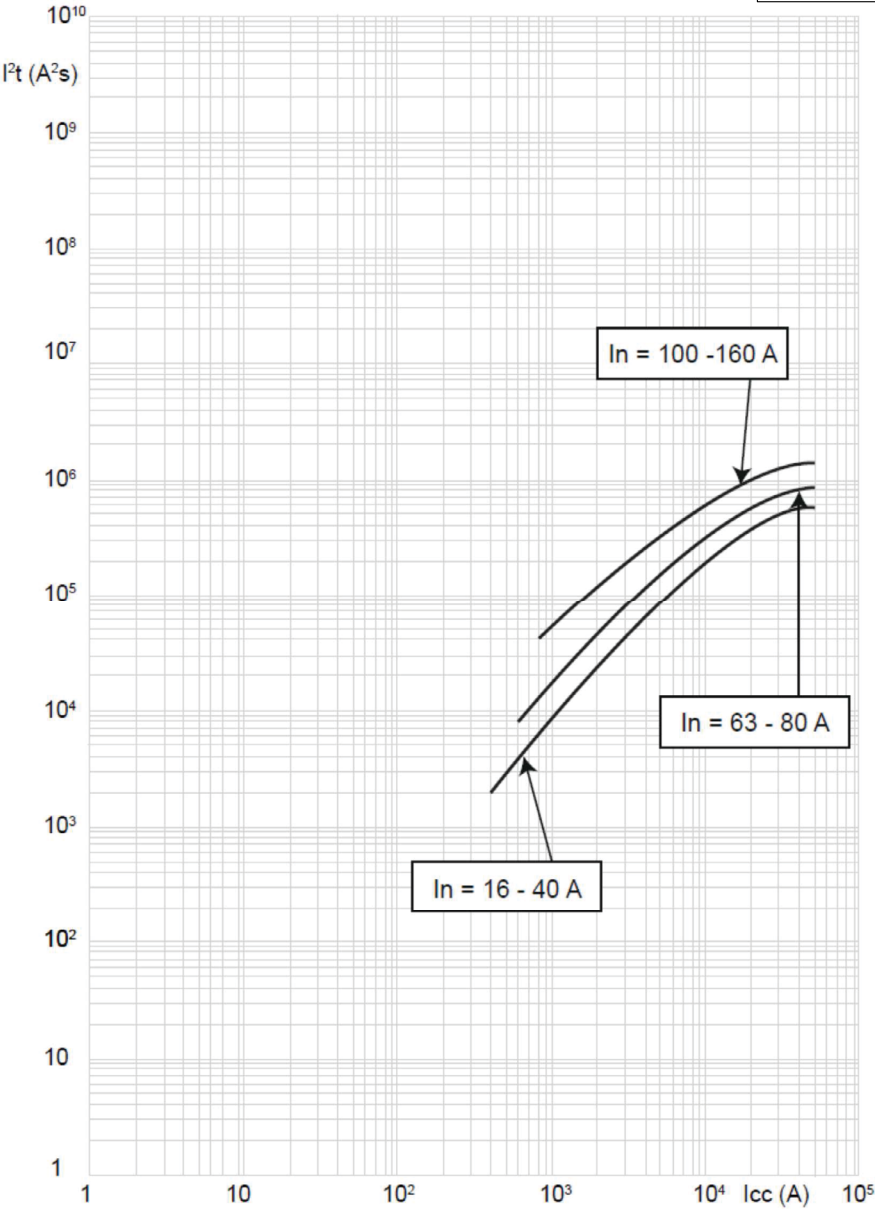
DPX³-I 160 trip-free switches
with earth leakage

Cat.Nos:
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4 200 74 - 4 200 75 - 4 200 76 - 4 200 77 - 4 201 10 - 4 201 11
4 201 12 - 4 201 13 - 4 201 14 - 4 201 15 - 4 201 16 - 4 201 17
4 201 50 - 4 201 51 - 4 201 52 - 4 201 53 - 4 201 54 - 4 201 55
4 201 56 - 4 201 57 - 4 200 97

9. CURVES (continued)

■ 9.2 Pass-through specific energy characteristic curve

Update: 10/02/2017



Icu = 16-25-36-50 kA Imax = 160 A 3-4 P Ue = 415 V~

Value	Description
Icc	Short circuit current
I²t (A²s)	Pass-through specific energy

DPX³ 160 thermal magnetic circuit breakers
with earth leakage

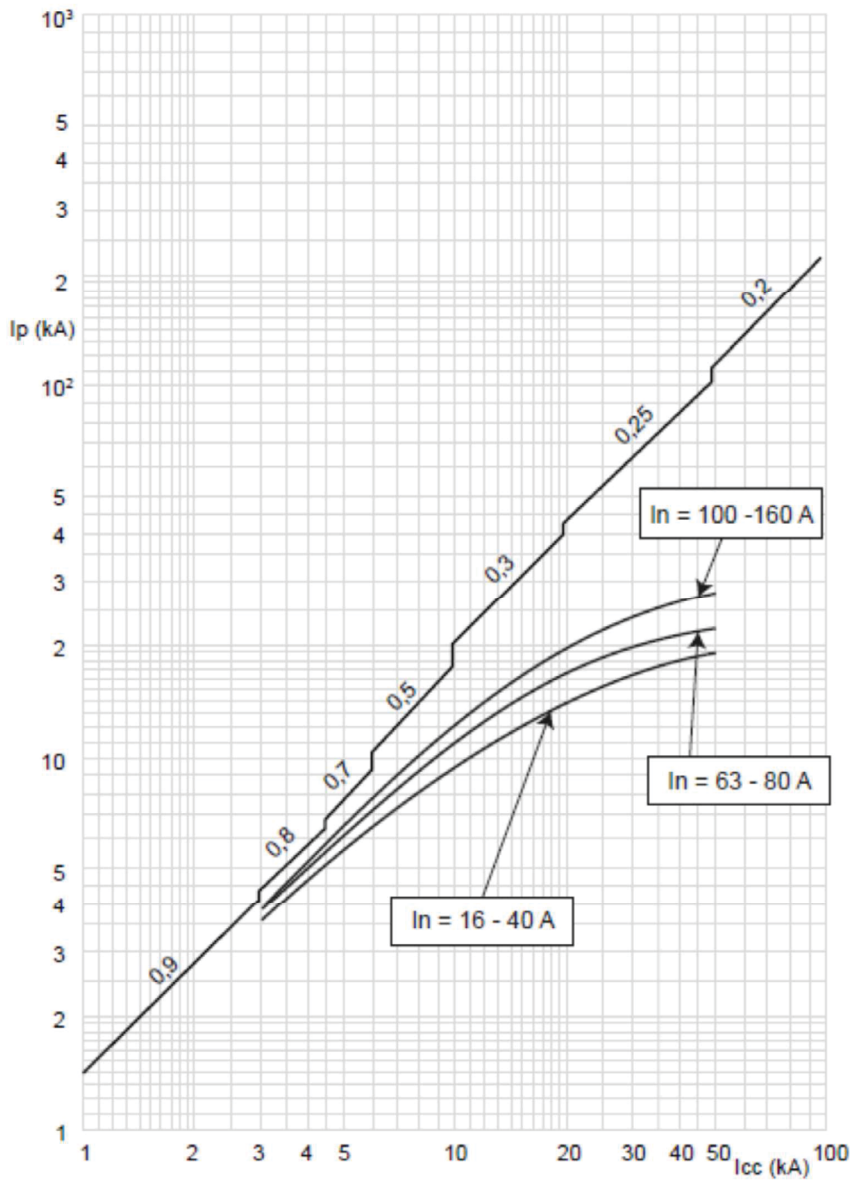
DPX³-I 160 trip-free switches
with earth leakage

Cat.Nos:
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4 200 36 - 4 200 37 - 4 200 70 - 4 200 71 - 4 200 72 - 4 200 73
4 200 74 - 4 200 75 - 4 200 76 - 4 200 77 - 4 201 10 - 4 201 11
4 201 12 - 4 201 13 - 4 201 14 - 4 201 15 - 4 201 16 - 4 201 17
4 201 50 - 4 201 51 - 4 201 52 - 4 201 53 - 4 201 54 - 4 201 55
4 201 56 - 4 201 57 - 4 200 97

9. CURVES (continued)

9.3 Cut-off peak current characteristic curve (kA)

Update: 10/02/2017



I_{cu} = 16-25-36-50 kA I_{max} = 160 A 3-4 P U_e = 415 V~

Value	Description
I_{cc}	Estimated short circuit symmetrical current (RMS value)
I_p	Maximum short circuit peak current

DPX³ 160 thermal magnetic circuit breakers
with earth leakage

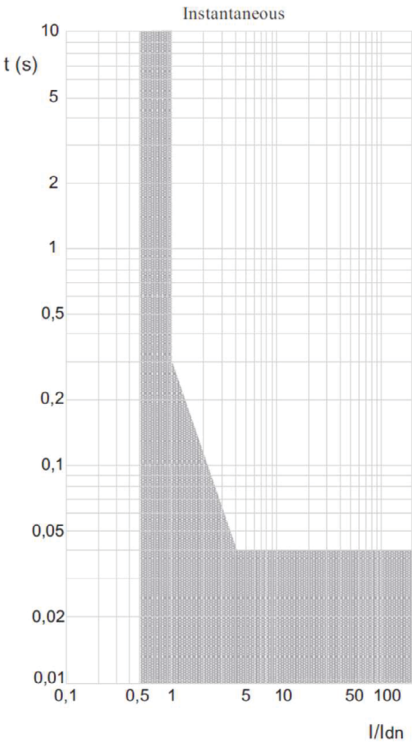
DPX³-I 160 trip-free switches
with earth leakage

Cat.Nos:

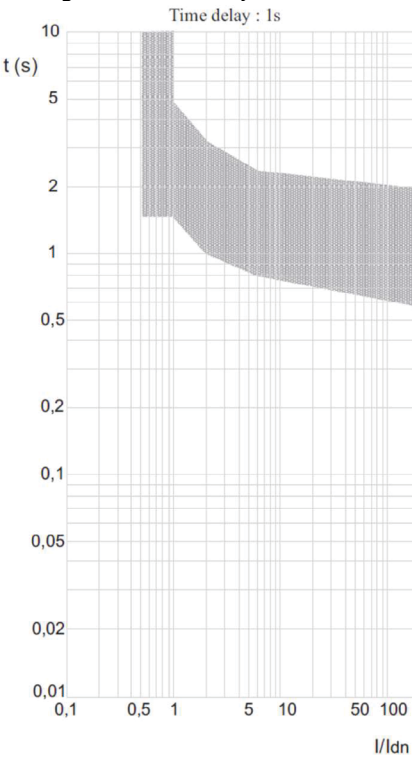
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4 200 36 - 4 200 37 - 4 200 70 - 4 200 71 - 4 200 72 - 4 200 73
4 200 74 - 4 200 75 - 4 200 76 - 4 200 77 - 4 201 10 - 4 201 11
4 201 12 - 4 201 13 - 4 201 14 - 4 201 15 - 4 201 16 - 4 201 17
4 201 50 - 4 201 51 - 4 201 52 - 4 201 53 - 4 201 54 - 4 201 55
4 201 56 - 4 201 57 - 4 200 97

9. CURVES (continued)

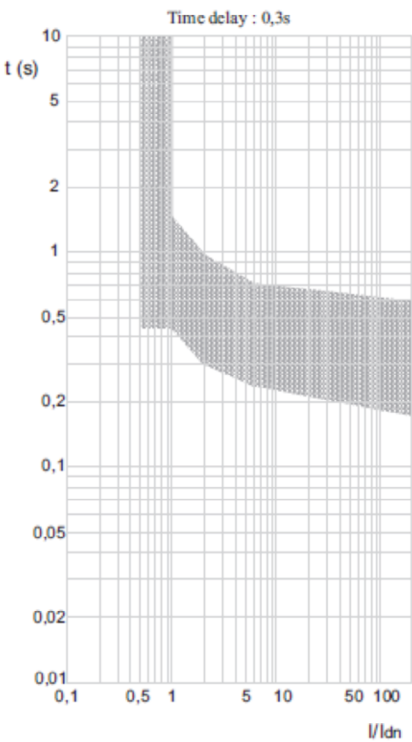
■ 9.4 Earth leakage curve, instantaneous



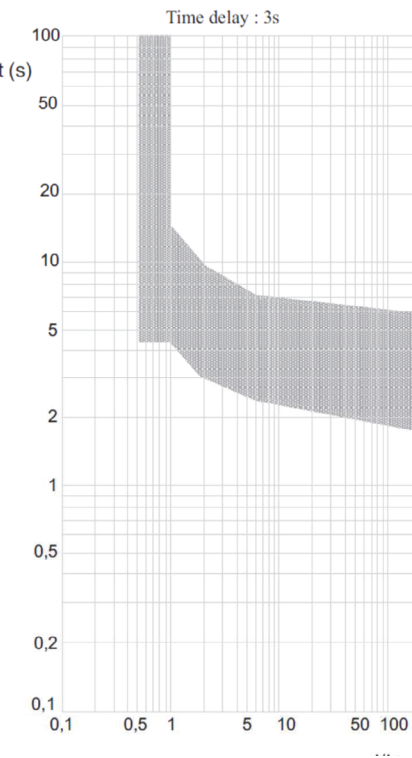
■ 9.6 Earth leakage curve, time delay = 1s



■ 9.5 Earth leakage curve, time delay = 0.3s



■ 9.7 Earth leakage curve, time delay = 3s



DPX³ 160 thermal magnetic circuit breakers with earth leakage

DPX³-I 160 trip-free switches with earth leakage

Cat.Nos:

4 200 30 - 4 200 31 - 4 200 32 - 4 200 33 - 4 200 34 - 4 200 35
4 200 36 - 4 200 37 - 4 200 70 - 4 200 71 - 4 200 72 - 4 200 73
4 200 74 - 4 200 75 - 4 200 76 - 4 200 77 - 4 201 10 - 4 201 11
4 201 12 - 4 201 13 - 4 201 14 - 4 201 15 - 4 201 16 - 4 201 17
4 201 50 - 4 201 51 - 4 201 52 - 4 201 53 - 4 201 54 - 4 201 55
4 201 56 - 4 201 57 - 4 200 97

10. STANDARDS AND REGULATIONS

DPX³ range of product concerning circuit-breakers and trip-free switches exceed compliance with the IEC/EN standard 60947-2 and 60947-3 respectively. Certification available by IECEE CB-scheme or LOVAG Compliance scheme.

DPX³ range respects the European Directives:

RoHS: Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

REACH: The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

WEEE: WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste.

Packaging : Design and manufacture of packaging compliant with European Directive 94/62/CE

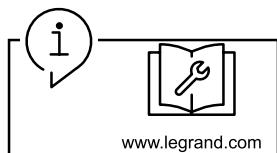
For specific information, please contact Legrand support.

11. OTHER INFORMATION

XLPro Calcul: Calculation notes creation software, addressed to installers, design office and maintenance operators. Definition of the electrical characteristics of a low voltage installation in compliance with the applicable standards

XLPro³ Tool Selectivity and backup / Legrand Selectivity and backup: Software dedicated to installers, panelbuilders and design offices. Definition of the selectivity and backup values of an association of electrical devices and obtention of the tripping curves of the selected products.

XLPro Panels: Distribution panel design software, addressed to panelbuilders and electrical panel designers. Design of the electrical distribution of the panel, production of electrical diagrams, establishment of products and overall costing of the project.



Workshop book: mounting informations, equipments, accessories and spare parts available on e-catalog.

Instruction sheet: detailed mounting procedures, available on e-catalog.

PEP: available on e-catalog.

For further technical information, please contact Legrand technical support.

Unless otherwise indicated, data reported in this document refers exclusively to test conditions according to product standards.

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