

DPX³ 160 thermal magnetic circuit breakers

DPX³-I 160 trip-free switches

Cat.Nos:

4 200 01 to 4 200 07 - 4 200 10 to 4 200 17
4 200 40 to 4 200 47 - 4 200 50 to 4 200 57
4 200 80 to 4 200 87 - 4 200 90 to 4 200 97
4 201 20 to 4 201 27 - 4 201 30 to 4 201 37
4 201 98 - 4 201 99



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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

Icu	16 kA		25 kA	
In (A)	3P	4P	3P	4P
16	4 200 00	4 200 10	4 200 40	4 200 50
25	4 200 01	4 200 11	4 200 41	4 200 51
40	4 200 02	4 200 12	4 200 42	4 200 52
63	4 200 03	4 200 13	4 200 43	4 200 53
80	4 200 04	4 200 14	4 200 44	4 200 54
100	4 200 05	4 200 15	4 200 45	4 200 55
125	4 200 06	4 200 16	4 200 46	4 200 56
160	4 200 07	4 200 17	4 200 47	4 200 57

Icu	36 kA		50 kA	
In (A)	3P	4P	3P	4P
16	4 200 80	4 200 90	4 201 20	4 201 30
25	4 200 81	4 200 91	4 201 21	4 201 31
40	4 200 82	4 200 92	4 201 22	4 201 32
63	4 200 83	4 200 93	4 201 23	4 201 33
80	4 200 84	4 200 94	4 201 24	4 201 34
100	4 200 85	4 200 95	4 201 25	4 201 35
125	4 200 86	4 200 96	4 201 26	4 201 36
160	4 200 87	4 200 97	4 201 27	4 201 37

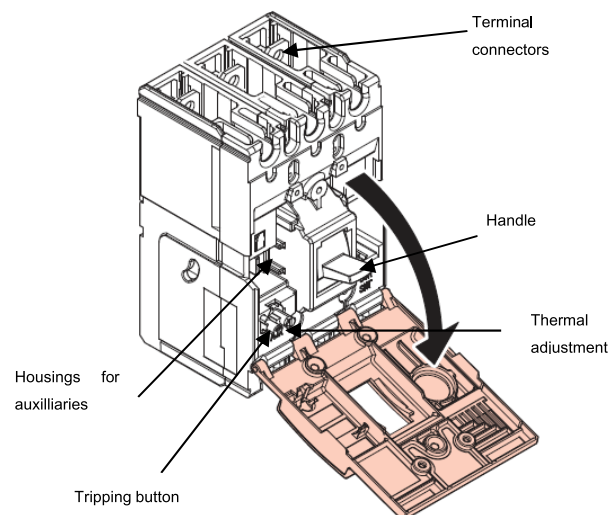
■ 2.2 DPX³-I 160 trip-free switch

In (A)	3P	4P
160	4 201 98	4 201 99

■ 2.3 Composition

DPX³ 160 thermal magnetic is supplied with:

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



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3. TECHNICAL CHARACTERISTICS

■ 3.1 Electrical characteristics

DPX ³ 160 thermal magnetic circuit breakers	
Rated current	16 A, 25 A, 40 A, 63 A, 80 A, 100 A, 125 A, 160 A
Poles	3P - 4P
Pole pitch	27 mm
Rated insulation voltage (50/60Hz) Ui	800 V
Rated operating voltage (50/60Hz) Ue	690 V
Rated impulse withstand current Uimp	8 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
Thermal adjustment Ir	0.8 to 1 x In
Magnetic adjustment Ii (A)	400 A (In up to 40 A); 10 x In (In > 40A)
Neutral protection for 4P (%Ith of phase pole)	100
Reverse feed	Yes

DPX ³ -I 160 trip-free switches	
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.

Switch disconnectors category (for use in DC)

	1P*	2P in series*	3P in series*	4P in series*
In (A)	60 V	110 V	250 V	500 V
160	DC23			

*See page 6 for Connection modality of the DC trip-free switches

Breaking capacity (3P and 4P)

Breaking capacity (kA) & Ics					
IEC 60947-2	Ue	Icu			
		16 kA	25 kA	36 kA	50 kA
	240 V~	25	35	50	65
	415 V~	16	25	36	50
	500 V~	8	10	12	15
	690 V~	5	5	8	10
	250 V=	10			
	Ics (% Icu)	100			
	Rated making capacity under short circuit Icm				
Icm (kA) at 415 V	32	53	76	105	

Breaking capacity in DC (kA) (estimated values)

		1P*	2P in series *			3P in series *		
Icu	In (A)	60 V	60 V	110 V	250 V	110 V	250 V	500 V
16 kA	16 to 160	16	16	16	10	16	12	10
25 kA		25	25	25		25	16	
36 kA		35	36	35		36	20	
50 kA		35	50	35		50	20	

*See page 6 for Connection modality of the DC breaker.

DC breaking capacity in the table respect the standards.

The positive tolerance is between 0 % to 5 % of voltage status

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. TECHNICAL CHARACTERISTICS (continued)**■ 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.

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, 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.

■ 3.4 Power losses per pole under I_n (W)

Disjoncteurs								
I _n (A)	16	25	40	63	80	100	125	160
Cage terminals	2.4	4.4	4.1	5.5	7.0	7.4	8.6	11.3
High capacity cage terminals	2.4	4.5	4.2	5.7	7.3	7.8	9.3	12.4
Lugs	2.4	4.5	4.2	5.6	7.3	7.8	9.2	12.2
Spreaders	2.4	4.5	4.2	5.7	7.3	7.8	9.3	12.4
Rear terminals*	2.4	4.5	4.2	5.7	7.3	7.8	9.3	12.4
Plug-in version*	2.5	4.8	4.9	7.5	10.3	12.5	16.6	24.3

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	
I _n (A)	160
Cage terminals	7.7
High capacity cage terminals	8.4
Lugs	8.3
Spreaders	8.4
Rear terminals*	8.4
Plug-in version*	20.7

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	23	22	21	21	20	19	18	17	16	16	15	14
25	37	35	34	33	32	30	28	27	25	25	23	22
40	55	54	52	51	50	47	43	43	40	40	36	35
63	90	88	85	84	82	81	71	67	63	63	58	55
80	115	113	111	109	107	97	87	83	80	80	74	71
100	129	126	123	122	117	111	109	105	100	100	94	93
125	159	157	154	152	149	138	134	131	125	125	112	110
160	218	215	207	200	198	190	176	168	160	160	146	138

For derating temperature with other configurations, see table below.

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	152	0.95	152	0.95	146	0.91	138	0.86
Flexible/semirigid cable + sealable terminal shields	152	0.95	144	0.90	144	0.90	144	0.90	138	0.86
Clamps, flexible/semirigid cable	160	1	152	0.95	152	0.95	146	0.91	138	0.86
Clamps, flexible/semirigid cable + sealable terminal shields	152	0.95	152	0.95	144	0.90	144	0.90	138	0.86
Cage terminals, flexible/semirigid cable	160	1	160	1	160	1	146	0.91	138	0.86
Spreaders, flexible/semirigid cable	160	1	160	1	160	1	146	0.91	138	0.86
Rear terminals*, flexible/semirigid cable	160	1	160	1	160	1	146	0.91	138	0.86
Rear terminals*, flexible/semirigid cable + sealable terminal shields	160	1	160	1	160	1	146	0.91	138	0.86
Fixed version - horizontal installation										
Flexible/semirigid cable	160	1	152	0.95	152	0.95	146	0.91	138	0.86
Flexible/semirigid cable + sealable terminal shields	152	0.95	144	0.90	144	0.90	144	0.90	138	0.86
Clamps, flexible/semirigid cable	152	0.95	152	0.95	152	0.95	146	0.91	138	0.86
Clamps, flexible/semirigid cable + sealable terminal shields	144	0.90	144	0.90	144	0.90	144	0.90	138	0.86
Cage terminals, flexible/semirigid cable	160	1	152	0.95	152	0.95	146	0.91	138	0.86
Spreaders, flexible/semirigid cable	160	1	160	1	160	1	146	0.91	138	0.86
Rear terminals*, flexible/semirigid cable	160	1	160	1	160	1	146	0.91	138	0.86
Rear terminals*, flexible/semirigid cable + sealable terminal shields	160	1	160	1	160	1	146	0.91	138	0.86

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 F

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

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4. INSTALLATION RULES (continued)

Altitude

Altitude derating for DPX³ and DPX³-I

Altitude (m)	2000	3000	4000	5000
Ue (V)	690	590	520	460
In (A) (Ta = 40 °C / 50 °C)	1 x In	0.98 x In	0.93 x In	0.9 x In

5. DIMENSIONS AND WEIGHT

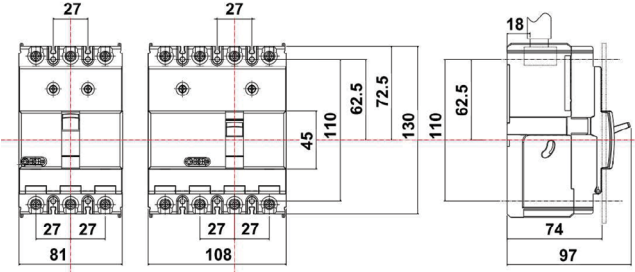
5.1 Dimensions (mm)

3P (W x H x D): 80 x 130 x 97

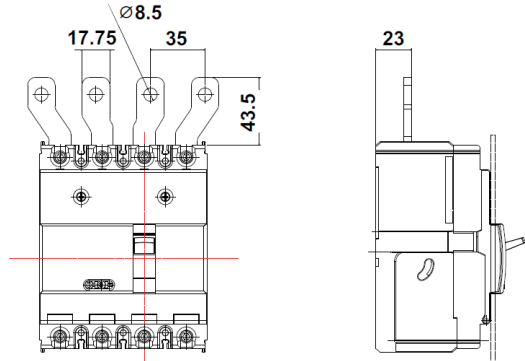
4P (W x H x D): 110 x 130 x 97

Fixed version

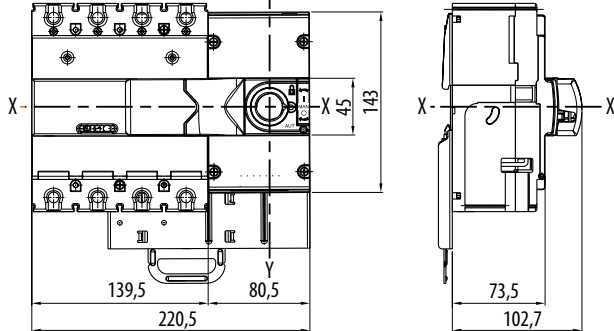
Device without accessories



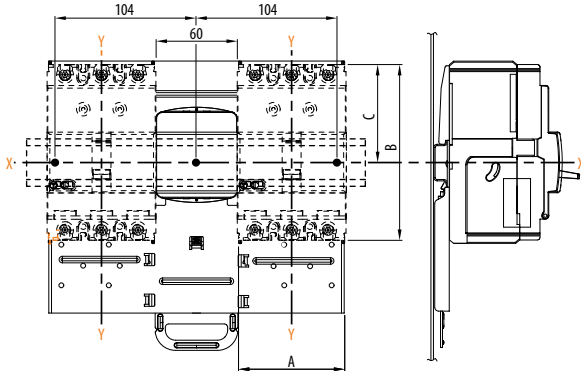
With front terminal



With side motor operator

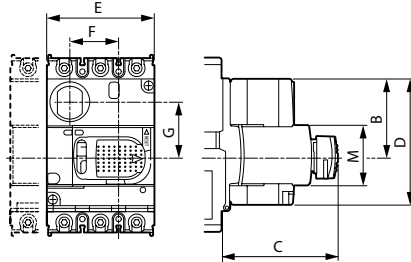


With interlock



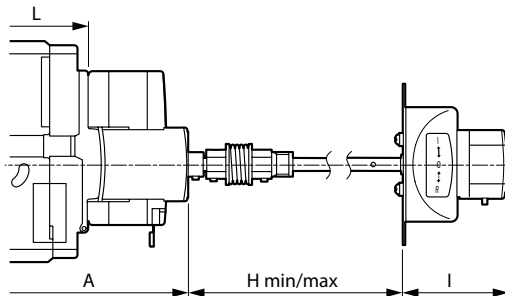
	A (mm)	B (mm)	C (mm)
3P	81	130	72.5
4P	108		

With direct rotary handle



	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	M (mm)
3P/4P	57	155	94	80.5	36.5	41.7	45

With vari-depth rotary handle



	A (mm)	H (min.) (mm)	H (max.) (mm)	I (mm)	L (mm)
3P/4P	122	132	361	62	74

5.2 Weight (kg)

Configuration	3P	4P
Circuit breaker/trip-free switch	1.27	1.38
Direct rotary handle*	0.35	
Vari depth rotary handle*	0.72	
Interlock*	1.08	
Spreader*	0.13	0.17

* to add to device weight

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6. CONNECTIONS

Possible way of assembly on DIN rail:

- vertical
- horizontal

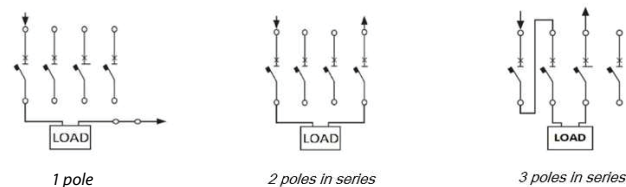
To ensure the circuit breaker's connection, it is possible to use:

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

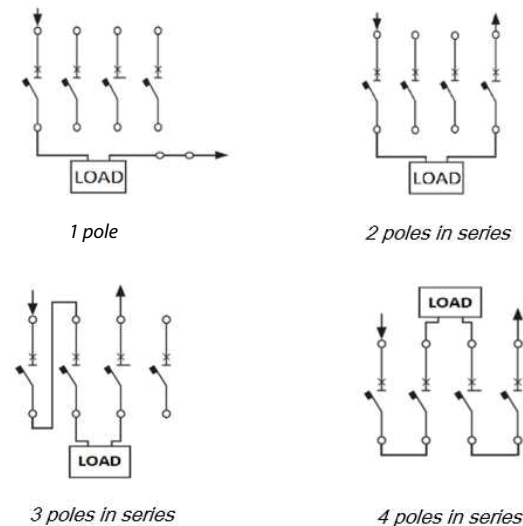
	Cage terminals capacity
Bars	14 mm wide max.
Flexible cables	1.5 mm ² min. / 70 mm ² max.
Rigid cables	1.5 mm ² min. / 95 mm ² max.

For detailed mounting procedures, see instruction sheet.

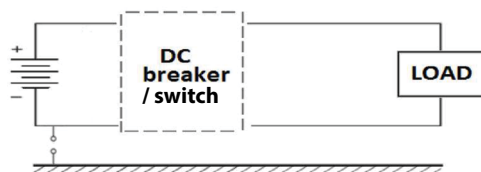
DC connections modality for breakers



DC connections modality for trip-free switches (polarity can be inverted)



Applied to DC breaker/switch networks insulated from the ground



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

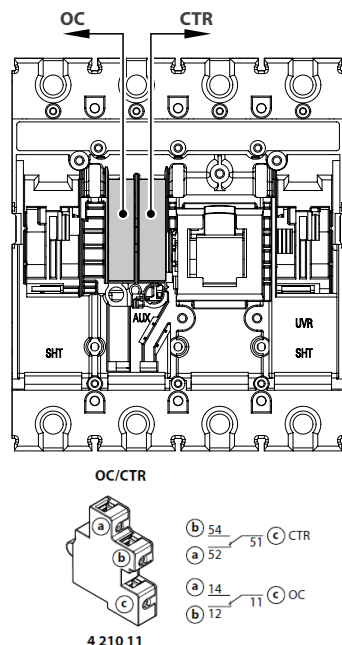
- Set of connectors for auxiliary contacts	Cat.No 4 210 44
- Auxiliary contacts (1NC and 1 NO)	Cat.No 4 210 10
- Signal contact for plugged-in version*	Cat.No 4 210 48

* 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.

7. EQUIPMENTS AND ACCESSORIES (continued)

■ 7.2 Auxiliary contacts (continued)

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 00
- For emergency use (red / yellow) Cat.No 4 210 02

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

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

Locking accessories for side motor operator

- Key barrel and 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)

DPX³ padlock accessory for handle Cat.No 4 210 49
Cat.No 4 210 49 is compatible with DPX³ 125/160/250 HP and DPX³ 160/250.

Insulated shields (phase barriers)

Set of 36 Cat.No 4 210 70

Sealable terminal shields

- for front terminals 3P Cat.No 4 210 54
- for front terminals 4P Cat.No 4 210 55

Fixing plates in XL³ for transfer switches

Plate for mounting and interlocking 2 DPX³.

It can be either 2 DPX³ 160 ; 2 DPX³ 250; or 1 DPX³ 160 and 1 DPX³ 250.

For fixed version Cat.No 4 210 58

Fixing plates in XL³

For fixing DPX³ 160 on rail or on plate.

- For DPX³ 160 3P/4P Cat.No 4 210 71
- For DPX³ 160 3P/4P with side mounting motor operator Cat.No 4 210 68

■ 7.6 Connection accessories

Front spreaders

- Set of 3 (for 3P) Cat.No 4 210 32
- Set of 4 (for 4P) Cat.No 4 210 33

Rack screw and nut

- Set of 3 rack screw and nut for cable lug kit Cat.No 4 210 28
- Set of 4 rack screw and nut for cable lug kit Cat.No 4 210 29

Cage terminals

- Set of 3 standard terminals for Cat.No 4 210 93
1x95 mm² max. (rigid) or 1x70 mm² max. (flexible) Cu/Al cables and 14 mm bars (for Al cables In max 80A)

- Set of 4 standard terminals for Cat.No 4 210 94
1x95 mm² max. (rigid) or 1x70 mm² max. (flexible) Cu/Al cables and 14 mm bars (for Al cables In max 80A)

- Set of 3 high capacity terminals for Cat.No 4 210 26
1x 150 mm² max. (rigid) or 1x120 mm² max. (flexible)
Cu/Al cables and 18 mm bars (for Al cables In max 125A)

- Set of 4 high capacity terminals for Cat.No 4 210 27
1x 150 mm² max. (rigid) or 1x120 mm² max. (flexible)
Cu/Al cables and 18 mm bars (for Al cables In max 125A)

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7. EQUIPMENTS AND ACCESSORIES (continued)

7.6 Connection accessories (continued)

Cage terminal use specifications

Cable standard suggested cross-section (mm ²)*			
	In (A)	Cu	Al
Standard cage terminals Cat.Nos 4 210 93 / 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 26 / 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

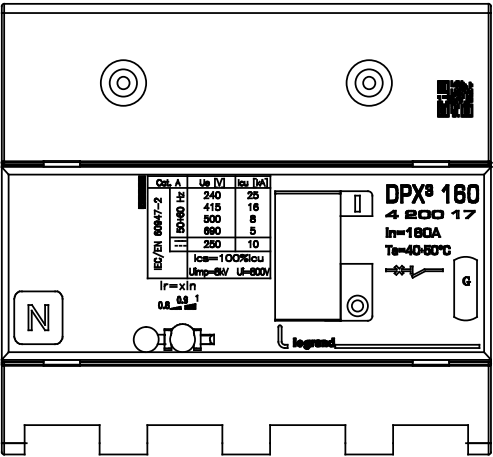
Standard cage terminals Cat.Nos 4 210 93 / 4 210 94	Min. cross-section (mm ²)		Max. cross-section (mm ²)	
	Flexible	Rigid	Flexible	Rigid
	2.5	4	70	95
High capacity cage terminals Cat.Nos 4 210 26 / 4 210 27	Min. cross-section (mm ²)		Max. cross-section (mm ²)	
	Flexible	Rigid	Flexible	Rigid
	35		120	150

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.

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 17

DPX3 160 4P

In=160A

Icu=16kA at 415V



3245064200172579146

legrand

Made in Italy

21W08 4 80

LEGRAND - BP 30076

87002 LIMOGES CEDEX FRANCE

DPX³ 160 thermal magnetic circuit breakers

DPX³-I 160 trip-free switches

Cat.Nos:

4 200 01 to 4 200 07 - 4 200 10 to 4 200 17

4 200 40 to 4 200 47 - 4 200 50 to 4 200 57

4 200 80 to 4 200 87 - 4 200 90 to 4 200 97

4 201 20 to 4 201 27 - 4 201 30 to 4 201 37

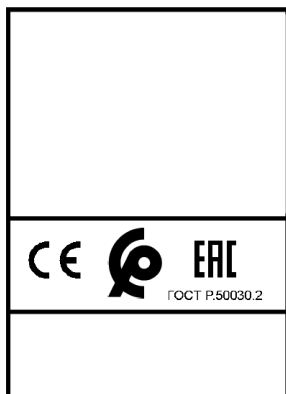
4 201 98 - 4 201 99

8. MARKING (continued)

Mark sticker label (on the side)

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

4 200 17

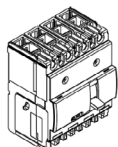


Packaging sticker label

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

1 DPX³

4 200 17



- Disjoncteur
- MCCB
- Interruptores automáticos
- Автоматический выкл.
- 塑料外壳式断路器
- قاطع الدارة

In=160A 4P Icu 16kA
IEC/EN 60947-2

Made in Italy
Design and Quality by LEGRAND (France)
LEGRAND - Pro and Consumer Service - BP 30076
67002 LIMOGES CEDEX FRANCE - www.legrand.com



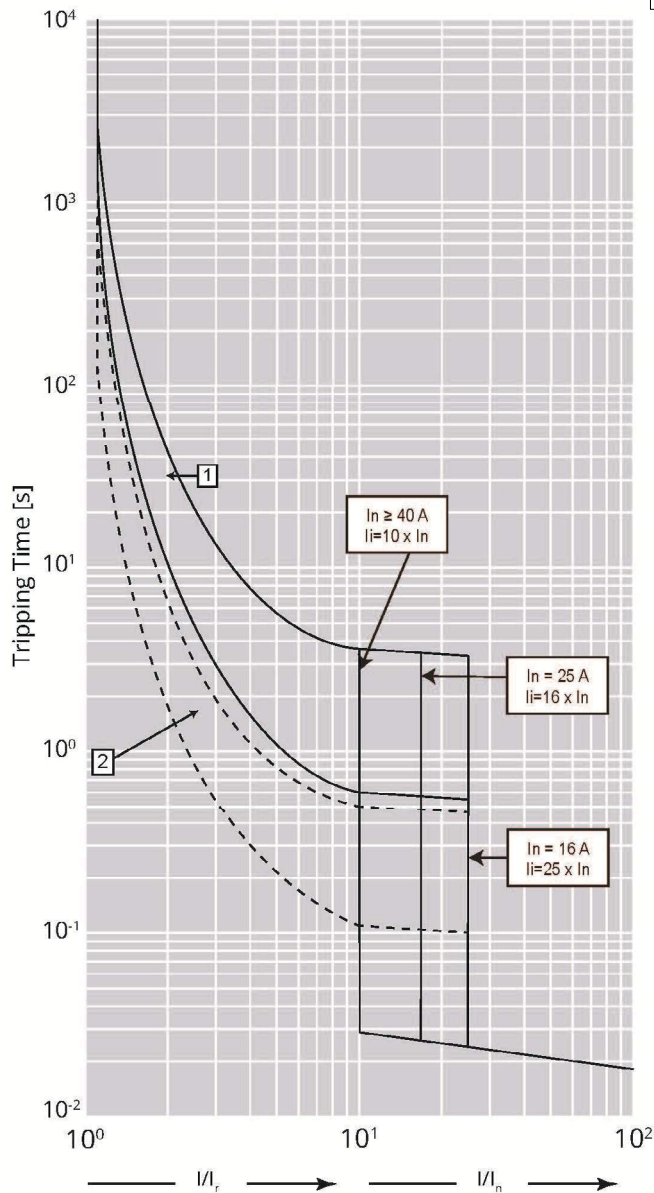
3245064200172

22W17

9. CURVES

9.1 Thermal magnetic tripping curve

Update: 19/04/2018



Icu = 16-25-36-50 kA	Imax = 160 A	3-4 P	Ue = 415 V~
Value	Description		
t	Time		
I	Current		
I _n	Rated current		
I _r	Long time setting current		
Curve 1	Characteristic with cold start		
Curve 2	Characteristic with hot start		

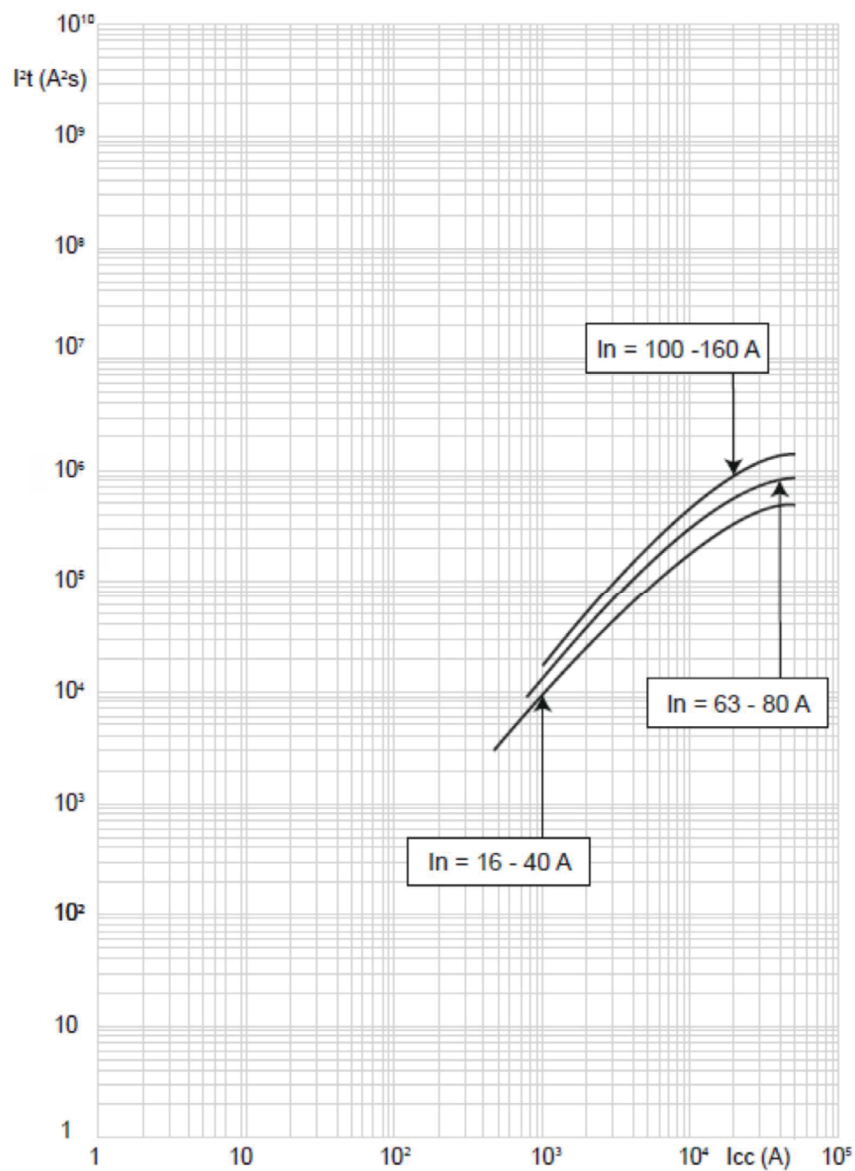
DPX³ 160 thermal magnetic circuit breakers
DPX³-I 160 trip-free switches

Cat.Nos:
4 200 01 to 4 200 07 - 4 200 10 to 4 200 17
4 200 40 to 4 200 47 - 4 200 50 to 4 200 57
4 200 80 to 4 200 87 - 4 200 90 to 4 200 97
4 201 20 to 4 201 27 - 4 201 30 to 4 201 37
4 201 98 - 4 201 99

9. CURVES (continued)

9.2 Pass-through specific energy characteristic curve

Update: 21/07/2020



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

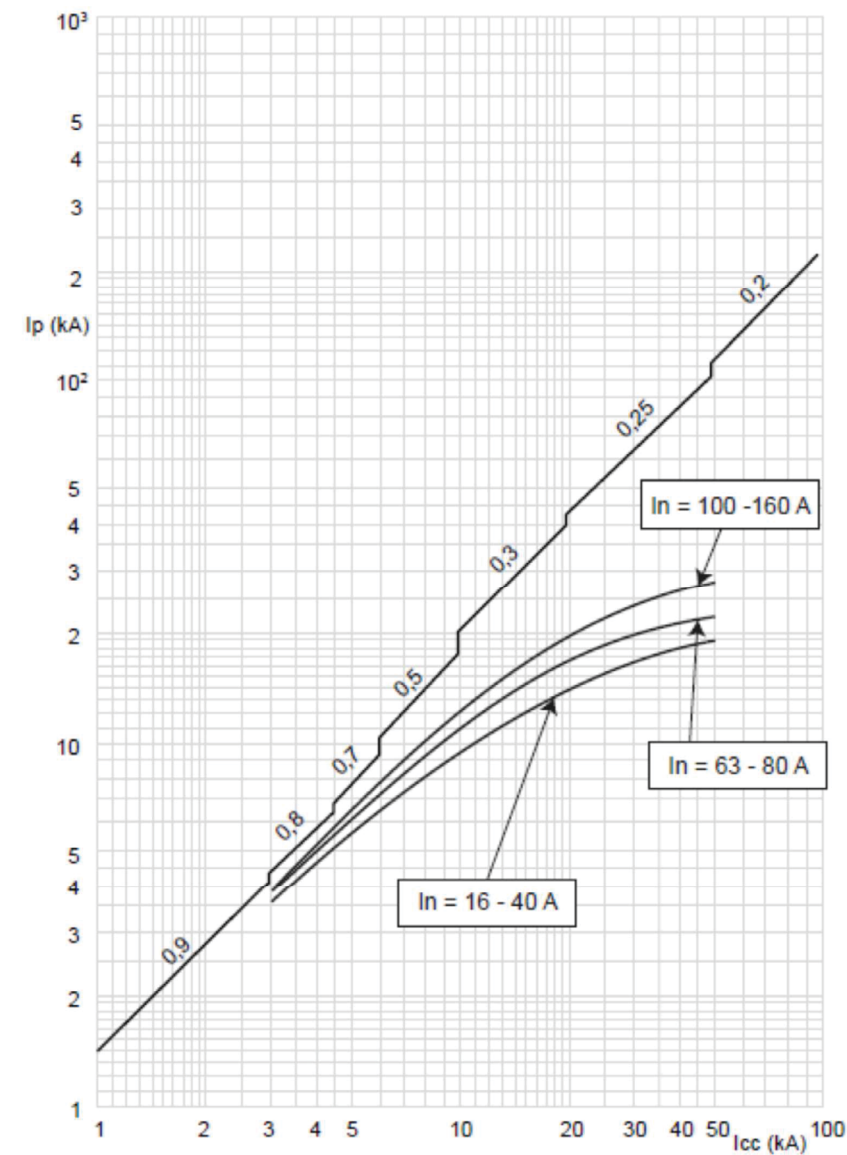
DPX³-I 160 trip-free switches

Cat.Nos:
4 200 01 to 4 200 07 - 4 200 10 to 4 200 17
4 200 40 to 4 200 47 - 4 200 50 to 4 200 57
4 200 80 to 4 200 87 - 4 200 90 to 4 200 97
4 201 20 to 4 201 27 - 4 201 30 to 4 201 37
4 201 98 - 4 201 99

9. CURVES (continued)

9.3 Cut-off peak current characteristic curve (kA)

Update: 10/02/2017



Icu = 16-25-36-50 kA		Imax = 160 A	3-4 P	Ue = 415 V~
Value	Description			
Icc	Estimated short circuit symmetrical current (RMS value)			
Ip	Maximum short circuit peak current			

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

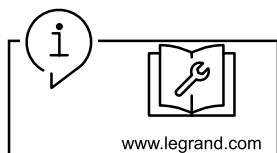
For specific information, please contact Legrand support.

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.

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.