

# Product sheet



DX<sup>3</sup> LEGRAND

MCB DX3 10000A 3 pole 100A curve C

REF. 409281 | EAN. 3245064092814

> [Visit e-catalogue](#)

## Product characteristics

- Breaking capacity 10000A according to IEC 60898 - 1 standard for household installations. Breaking capacity 16kA according to IEC 60947 - 2. Tripping threshold in case of short - circuit between 500A and 1000A (C curve between 5 In and 10 In)
- To be supplied by copper cable (top side or bottom side) .
- Protected against solid bodies larger than 12,5mm ("fingerproof") : IP20 according to IEC/EN 60529 standard.
- Can be equipped with Legrand DX3 auxiliaries, RCD add-on modules and accessories. Can be connected to aluminium cable with terminal accessory n° 4 063 11.
- This device complies with substance-restriction requirements and has been designed in an environmentally conscious process.

## Recommendation / Restriction

- This product should be installed in compliance with installation rules, preferably by a qualified electrician. Incorrect installation and/or incorrect use can lead to risk of electric shock or fire. Before carrying out the installation, read the instructions and take account of the product's specific mounting location. Do not open up, dismantle, alter or modify the device except where specifically required to do so by the instructions. All Legrand products must be opened and repaired exclusively by personnel trained and approved by Legrand. Any unauthorised opening or repair completely cancels all liabilities and the rights to replacement and guarantees. Use only Legrand brand accessories.

## Technical characteristics

### Usage

- Fitted with a label holder allowing a clear, visible and convenient identification of the circuit. Red / green mechanical indicator displaying the status "open" or "closed" of the contacts.

<b>Built-in depth</b>	47 mm
<b>Release characteristic</b>	C
<b>Number of poles (total)</b>	3
<b>Number of protected poles</b>	3
<b>Rated current</b>	100 A
<b>Rated voltage</b>	400 V
<b>Rated insulation voltage <math>U_i</math></b>	500 V
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	4 kV
<b>Voltage type</b>	AC
<b>Rated short-circuit breaking capacity <math>I_{cn}</math> according to EN 60898 at 400 V</b>	10 kA
<b>Rated short-circuit breaking capacity <math>I_{cu}</math> according to IEC 60947-2 at 230 V</b>	32 kA
<b>Rated short-circuit breaking capacity <math>I_{cu}</math> according to IEC 60947-2 at 400 V</b>	16 kA
<b>Frequency</b>	50-60 Hz
<b>Flush-mounted installation</b>	Yes
<b>Concurrently switching neutral conductor</b>	No
<b>Pollution degree</b>	3
<b>Additional equipment possible</b>	Yes
<b>Width in number of modular spacings</b>	4.5


Degree of protection (IP)	IP20
Ambient temperature during operating	-25-70 °C
Connectable conductor cross section multi-wired	6-50 mm <sup>2</sup>
Connectable conductor cross section solid-core	6-70 mm <sup>2</sup>
Explosion-proof	No
Width	53.1 mm
Height	94.8 mm
Depth	77.8 mm
Degree of impact strength (IK)	IK02
Storage temperature	-40-70 °C
Electric supplying direction	By the top or bottom
Colour	Grey
RAL-number	7035
Halogen free	Yes
Connection type	Screwed terminal
Label space/information surface	Yes
Mounting method	DIN rail

## Documentation

---

### TECHNICAL DOCUMENTATION

 [LE03603AG.pdf](#) | PDF (1.79Mo)

 [F01204FR-02.pdf](#) | PDF (1.3Mo)

 [F01204EN-01.pdf](#) | PDF (1.36Mo)

### CAD & Design specs / BIM

 [409790.dwg](#) | DWG (0.22Mo)

### CATALOGUE PAGE & OTHERS

 [ex223001\\_0076-0077.pdf](#) | PDF (0.2Mo)

 [ex223001\\_0067.pdf](#) | PDF (0.13Mo)

### Agreements & Certificates

 [LGRP-00828-V01.01-EN.pdf](#) | PDF (1.02Mo)