

DRX

MCCBs for residential and commercial



Combining forces to provide power and protection



With offers in more than 160 countries, Legrand has extensive geographical coverage which allows us to adapt to all your requirements and help you with both your local and international projects.

Whatever your needs may be

- general MCCBs or
- secondary MCCBs

Legrand provides solutions from one specialist to another specialist: you.

Legrand's DRX range integrates perfectly within standard electrical installations anywhere in the world.

With the DRX 100, you have the choice of 3 ratings from 60A to 100 A in 10kA Breaking capacity





DRX 100

... the universal solution for residential and commercial



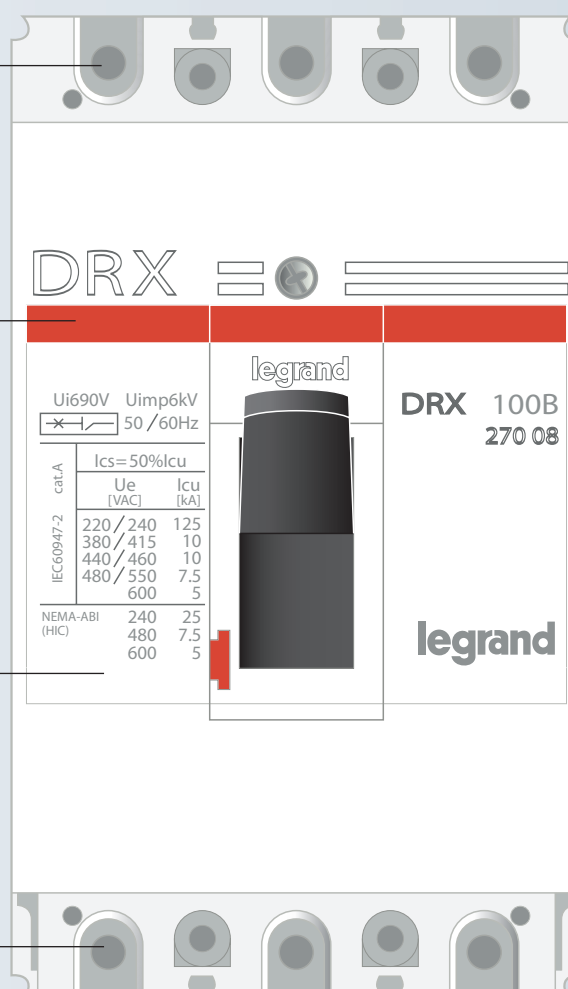
Thermal-magnetic MCCBs

DRX 100: 3 and 4 poles

Exclusive system: with a single action, change from the 50 mm standard to the 45 mm DIN standard

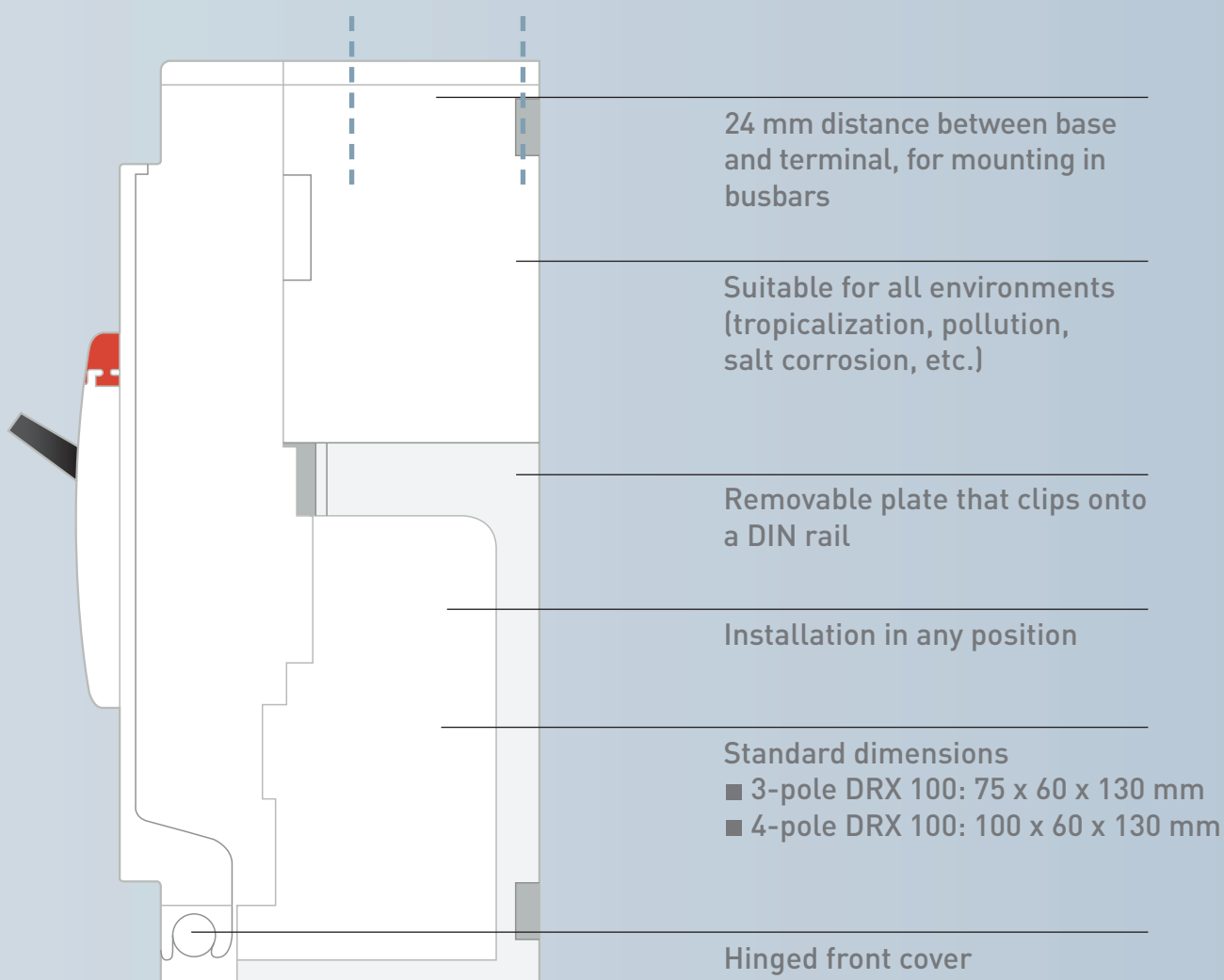
- Thermal-magnetic protection
- Nominal currents from 60 to 100 A
- 10KA
- No temperature derating at +50°C

2 types of connection:
standard and with cage terminals



ADVANTAGES

- Electrical accessories mounted by simply clipping on front panel
- Electrical accessories common to the whole range
- Up to 3 locks (padlock) in open position (off)
- Direct and vari-depth rotary handle
- Certifications: LOVAG (IEC 60947-1-2), CCC, approved by Nema, JIS, KS



DRX™ 100
thermal-magnetic MCCBs from 60 to 100 A



270 18



270 08



270 08 (Hinged cover)

 Technical characteristics and operating curves (p. 7-9)
Dimensions (p. 6-7)

For switching, control, isolation and protection of low-voltage electrical lines in conformity with standard IEC 60947-2
Fixed thermal and fixed magnetic
Supplied with:
- M8 Terminals
- Fixing screws
- Insulating shields (2 for 3 P and 3 for 4 P)

Pack	Cat. Nos.	DRX 100
		Icu breaking capacity 10 kA (415 V±)
	3 P	In
1	270 06	60 A
1	270 07	75 A
1	270 08	100 A
	4 P	
1	270 16	60 A
1	270 17	75 A
1	270 18	100 A

Cat nos. that are not bold - delivery within 4 weeks from the date of order.
Orders to be placed by Legrand (India) Stockist in multiples of the same.

DRX™ 100 accessories



271 76



271 83



271 71



271 40



271 54



6079 05

Pack Cat. Nos. Plate for fixing on rail

1	271 87	DIN rail adaptor for DRX 225
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Rotary handles

1	271 76	Direct on DRX For DRX 100
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1	271 77	Vari-depth handle Comprises: the connecting rod, the bracket, the drilling template, the mounting accessories, the door locking mechanism For DRX 100
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1	271 80	Padlocking Accessory for locking in "OFF" position
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Connection accessories

1	271 81	Insulating shields Insulate connection between each pole Set of 2 shields for 3 pole
	271 82	Set of 3 shields for 4 pole

1	271 83	Sealable terminal shields For DRX 100 - 3 pole
1	271 84	For DRX 100 - 4 pole

1	271 71	Cage terminals For DRX 100 - 3 pole
1	271 73	For DRX 100 - 4 pole



Electrical accessories

Auxiliary contact blocks

For left-hand mounting only

1	271 40	Block with 1 auxiliary (1 AUX)
1	271 41	Block with 1 alarm (1 AL)
1	271 42	Block with 1 auxiliary + 1 alarm (1 AUX + 1 AL)

Current shunt coils

For mounting on either the left or right-hand side of the MCB

1	271 54	200/277 V~ and =
1	271 55	380/480 V~ and =

Undervoltage release coils

For mounting on either the left or right-hand side of the MCB

1	271 64	200/240 V~
1	271 65	380/415 V~

Spreader Links

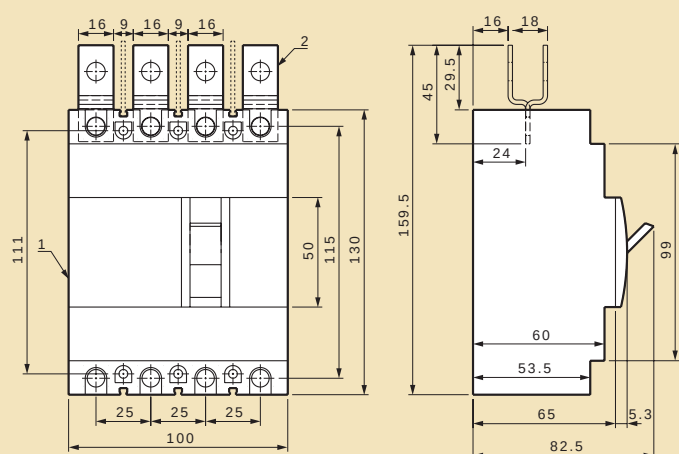
1	6250 10	3 links set for TP
1	6250 11	4 links set for FP

Enclosure

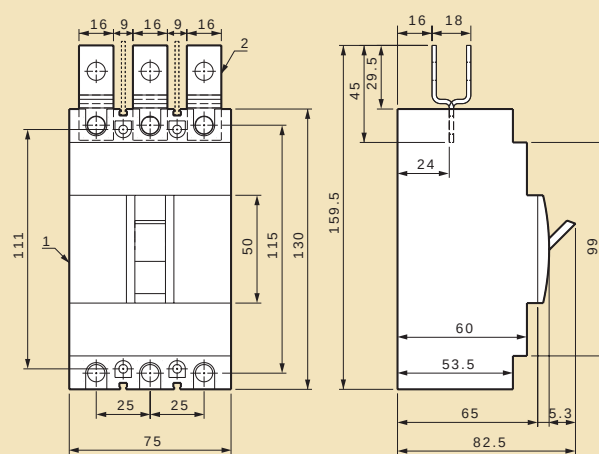
1	6079 05	TP/FP Enclosure
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■ Dimensions

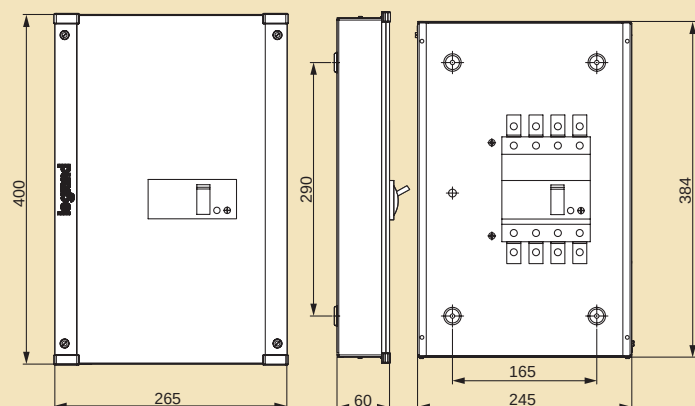
DRX with four pole spreaders



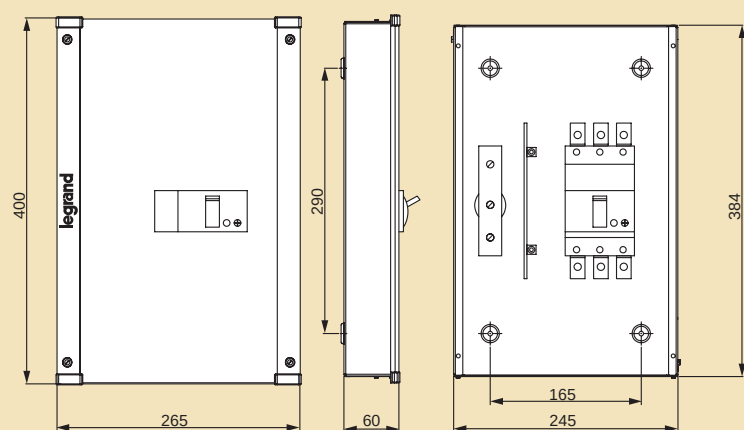
DRX with three pole spreaders



DRX four pole enclosure

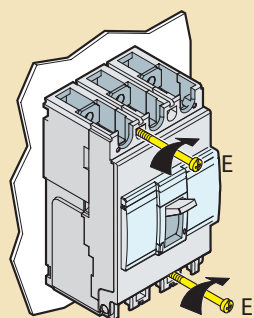
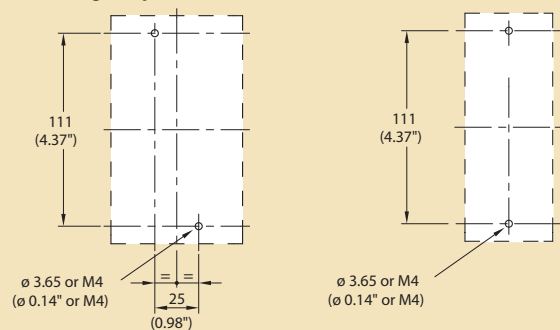


DRX three pole enclosure

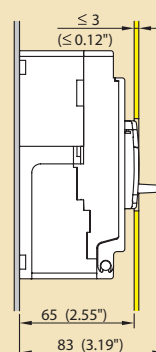
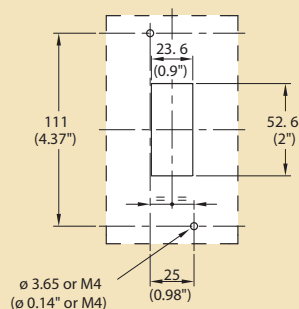
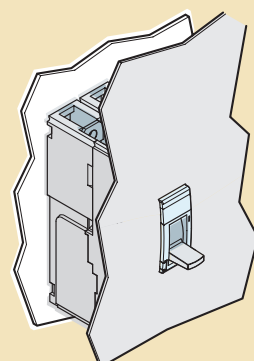
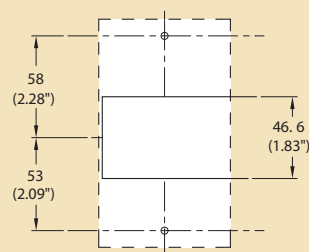
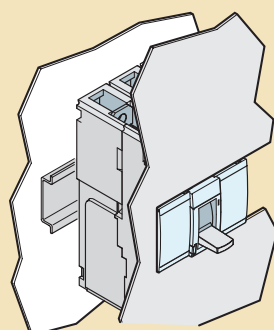
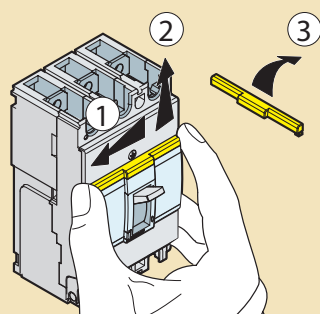
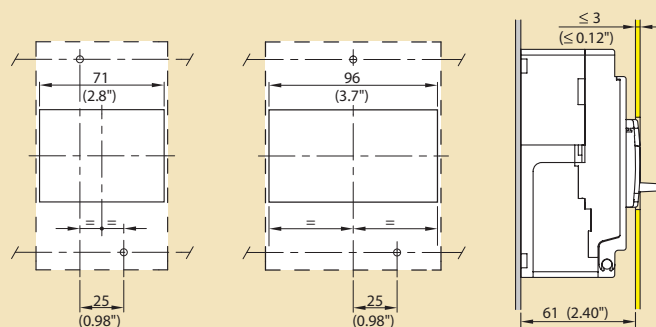
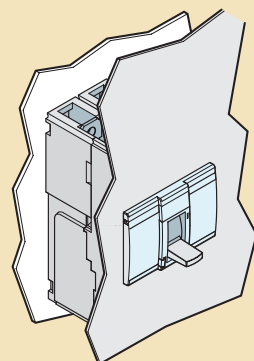


DRX™ 100 technical characteristics

■ Fixing on plate



■ Door cut-out



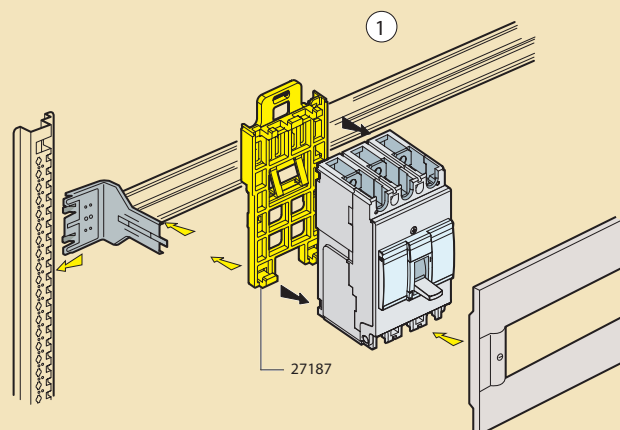
All dimensions are in mm
 1 inch = 24.4mm
 Accuracy of dimensions = ± 2mm

DRX™ 100

technical characteristics

■ Mounting

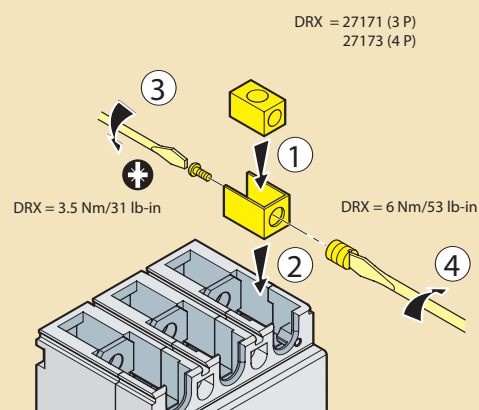
Mounting on a rail



■ Connection

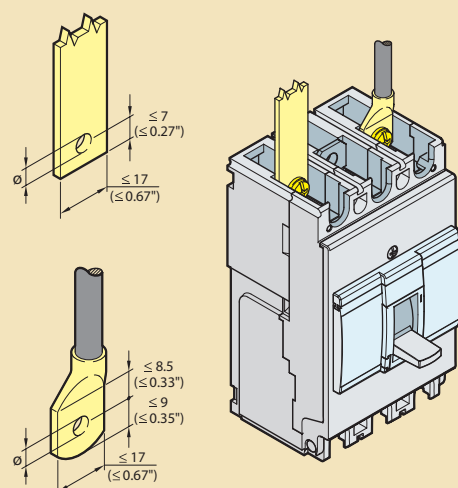
DRX front terminal

Cable connection



Flexible 2,5 10 mm² 10 35 mm² #14 #8 AWG or Solid 2,5 16 mm² 10 50 mm² #14 #6 AWG	Flexible #8 #2 AWG Solid #8 #1/0 AWG
2,5 to 4 mm² #14 to #10 AWG flexible cables connection via crimped end-barrels	

Busbar connection

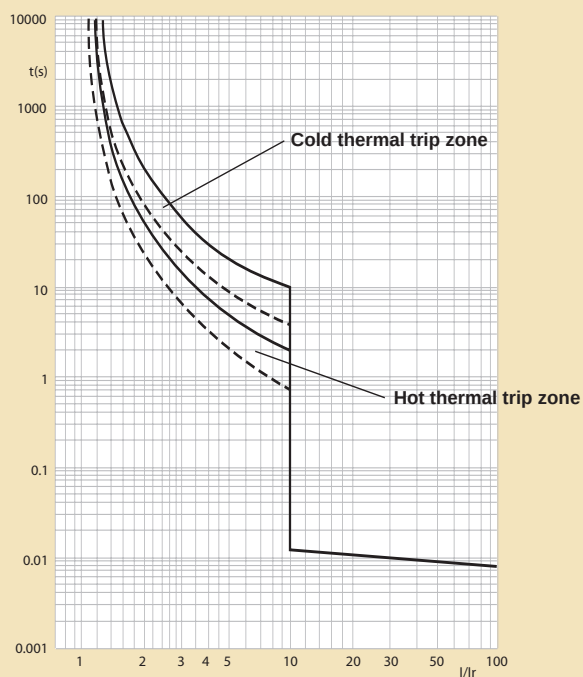


DRX™ 100

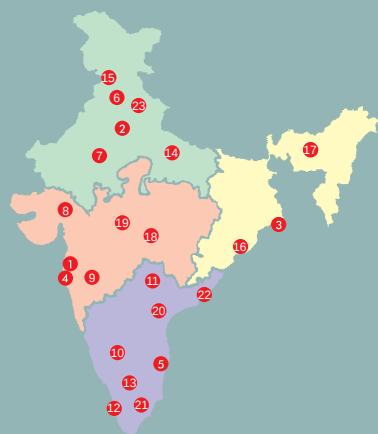
technical characteristics

Curve

DRX 100 $I_{max} = 100\text{ A}$ 3 P - 4 P



Technical characteristics		DRX
Number of poles		3 P - 4 P
Nominal current I_n (A)		60 - 100
Neutral protection for 4 P version (%)		100
Rated insulation voltage U_i (V)		690
Rated impulse withstand current I_{imp} (kV)		6
Rated operating voltage (50/60 Hz) U_e (V)		600
Ultimate breaking capacity I_{cu} (kA) IEC 60947-2	220/240 V~	25
	380/415 V~	10
	440/460 V~	10
	480/550 V~	7.5
	600 V~	5
Standard breaking capacity I_{cs} (% I_{cu})		50
Utilization category		A
Suitable for isolation		YES
Endurance (cycles)	mechanical	20000
	electrical	8000



Head office

1. 803/804, Nicholas Piramal Tower,
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KOCHI - 682 017.
Tel : (0484) 234 2921, 658 0921
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GUWAHATI - 781 007.
Tel : (0361) 245 8498
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NAGPUR - 440 010.
Tel : (0712) 224 1790
Fax : (0712) 222 0113
19. C17/18, Shreevardhan Realty Pvt. Ltd.,
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Telefax / Direct Line: (0731) 404 6649
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Telefax : (0452) 435 5945
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Telefax : (0891) 663 5652
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Kolkata : Tel.: (033) 4021 3535 / 36
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customer.care@legrand.co.in

