

Record Plus™
Circuit Breaker

Breaker frame rating: **250A**

Insulation voltage: **Ui: 750V In=Ithe: 250A**

Breaker frame rating enclosed: **Ue**

50/60Hz	Icu/Ics
230V ~	85kA
400V ~	50kA
440V ~	42kA
500V ~	30kA
690V ~	10kA

Breaking capacity (IEC values):
250V 1p == 50kA
500V 2p == 50kA

Serial number: 007

Standards: BS CEI JIS UNE VDE IEC60947-2 Cat. A

Product description: **Record Plus™**

Interrupting rating RMS Sym. Amps:

240V ~	42kA
480V ~	35kA
600V ~	18kA

250V 2p == 10kA
500V 3p == 10kA

Connection torques: 6 digit reference

Cat No: 431715
Cat No: FEN306F250KF

Catalogue number

Certification

The **Record Plus™** line of circuit breakers has been designed to comply with the following standards "EN60947 Low-voltage switchgear and controlgear":

- EN 60947-1: General rules
- EN 60947-2: Circuit-breakers
- EN 60947-3: Switches, disconnectors, switch-disconnectors and fuse-combination units
- EN 60947-4-1: Contactors and motor-starters
Section One: Electromechanical contactors and motorstarters
- EN 60947-5-1: Control circuit devices and switching elements
Section One: Electromechanical control circuit devices

This has been verified by two testing authorities: **LOVAG** **KEMA**
(appropriate certificates are available on request)

In order to meet the international standards mentioned above, the following European standards had to be fulfilled: **BS, VDE, UTE, KEMA, CEI**

Further tests are being undertaken at the moment to meet the requirements of the following regulatory authorities:

- UL (R) (489, 486 standards)
- CCIB (China)
- CSA (Canada)
- Bureau Veritas
- Det Norske Veritas
- JIS (Japan)
- NEMA (USA)
- Germanischer Lloyd
- Lloyd's Register of Shipping
- NOM RINA

Please contact us to check the availability of individual certificates.

Breaking capacities according to Standard EN 60 947-2

FD 63* **FD 160*** (240V AC)

FD 63 **FD 160** (400 / 415V AC)

FE 160 **FE 250**

FG 400 **FG 630**

FK 800** **FK 1250**** **FK 1600****

Limiting (L) 150kA

Hi-Break (H) 50kA, 80kA

Normal (N) 25kA, 50kA

Residential (S) 36kA

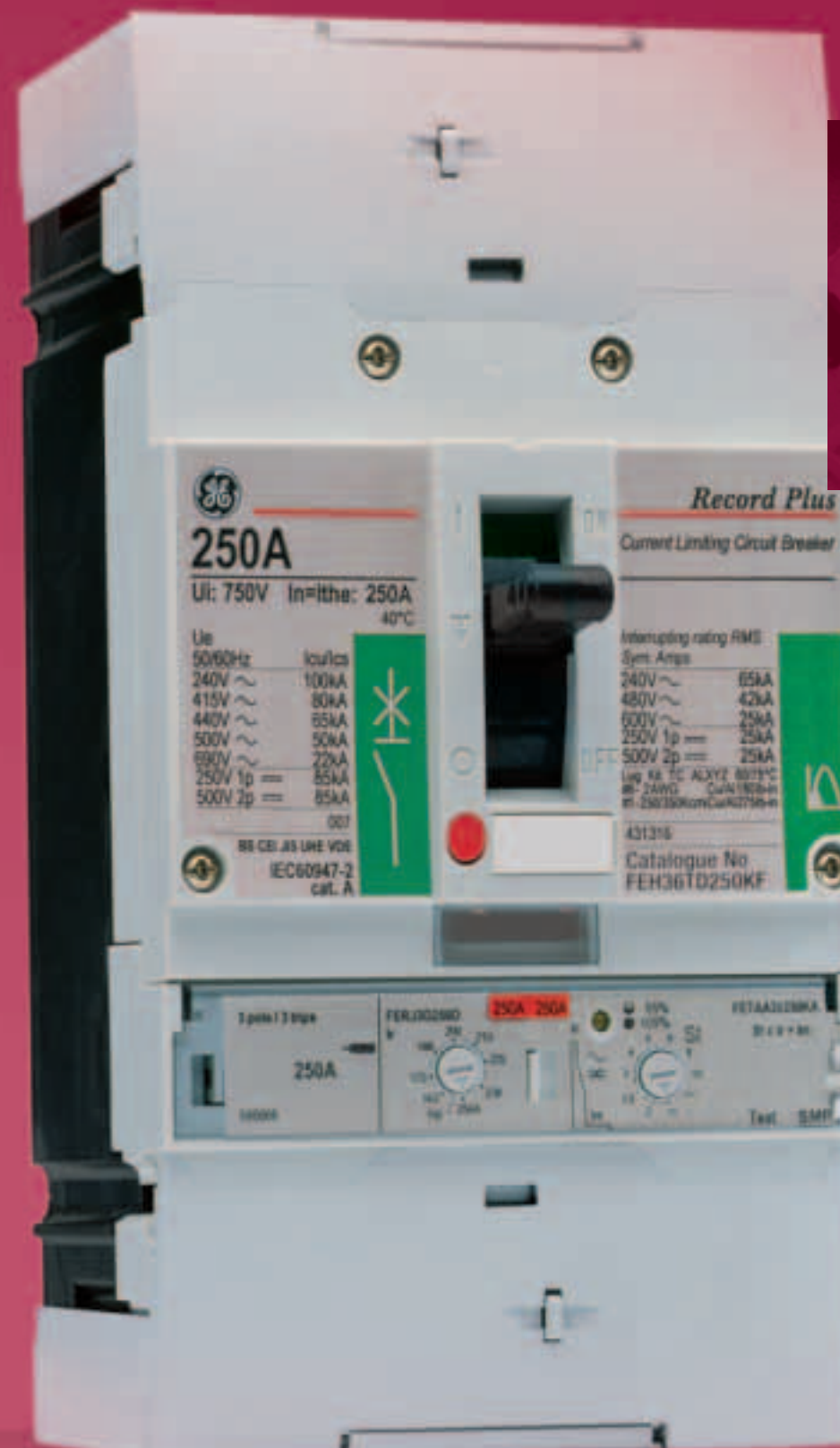
Effective (E) 25kA

Concise (C) 18kA

* 1 pole version

** Limiters L 800 and 1250A 400 / 415V 100kA

A new line of breakers designed for global applications



Contents

A complete line of selective & current limiting breakers

Protection with flexible & interchangeable trip units

Common accessories safe & easy to mount

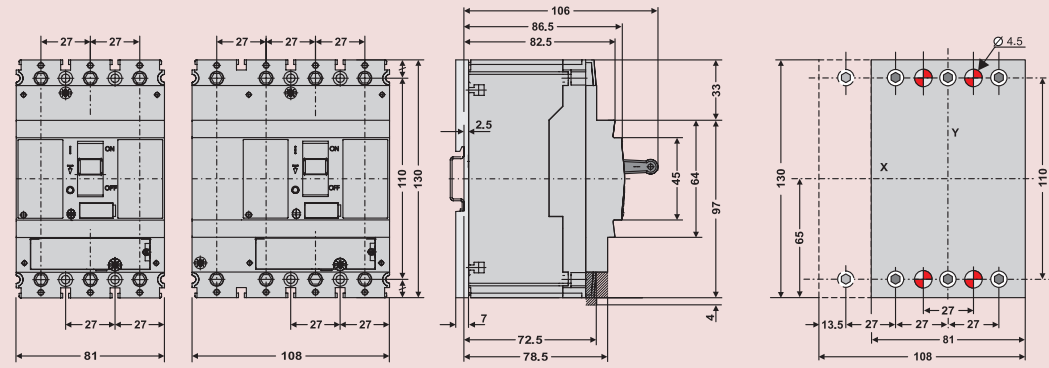
Wide range of electrical & mechanical operators

Versatile installation options

A full solution for low voltage distribution

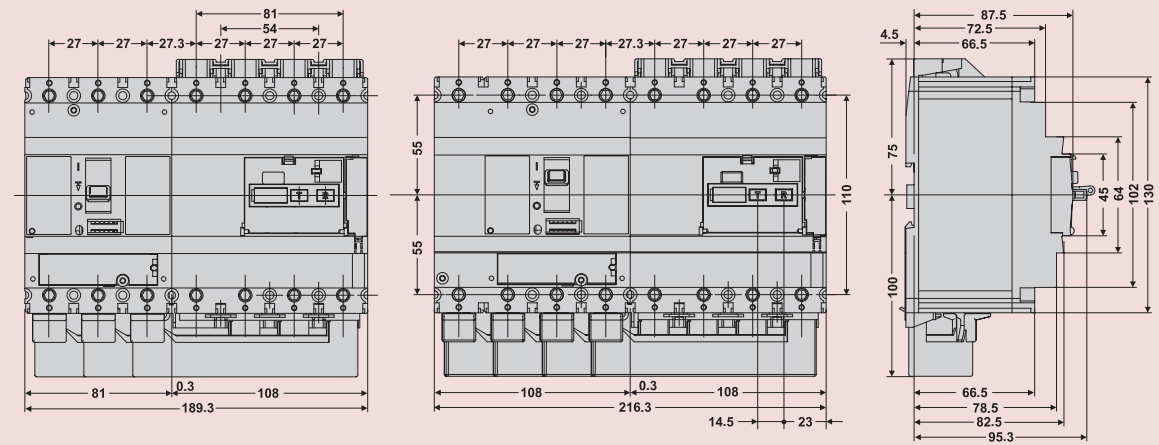
Dimensional Drawings

Breakers - FD63/160 fixed, front connected

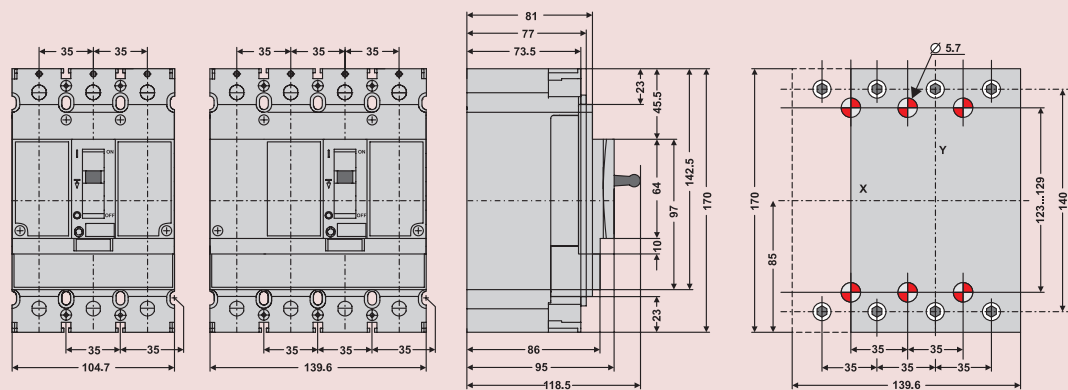


Dimensional Drawings

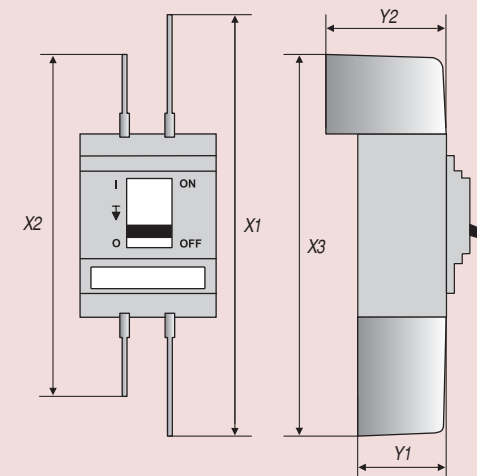
RCD side mounted - FD63/160



Breakers - FE160 and FE250 fixed, front connected



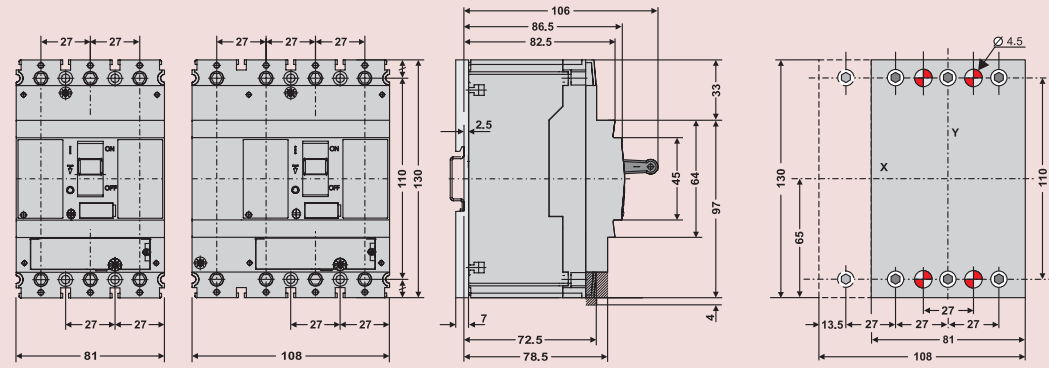
Breakers with phase separator - FD and FE frames



Dimensions		
	FD 63 FD 160	FE 160 FE 250
X1	330	410
X2	245	304
X3	287.5	357
Y1	63	72.5
Y2	105.5	126

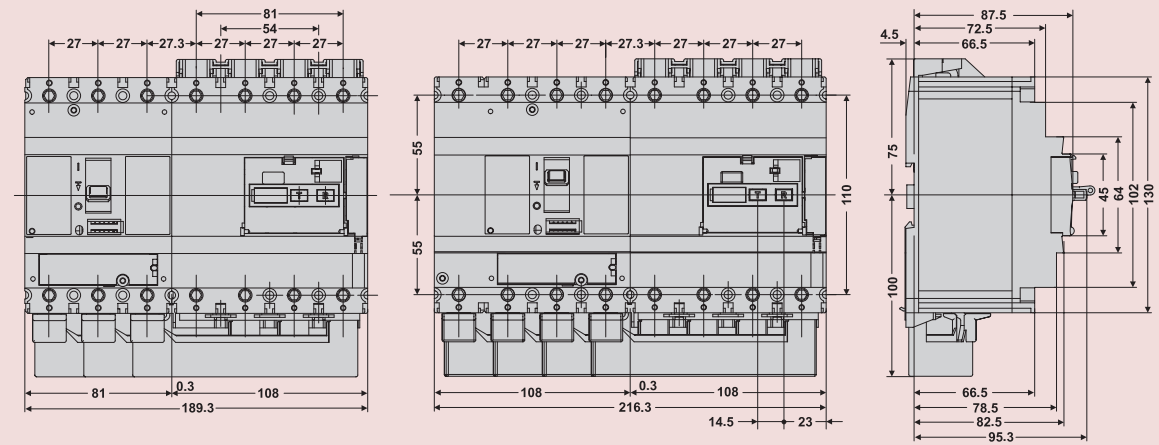
Dimensional Drawings

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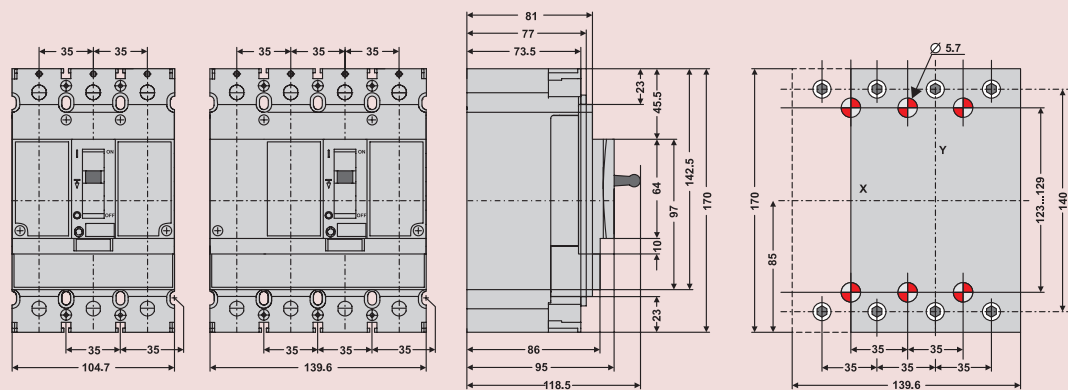


Dimensional Drawings

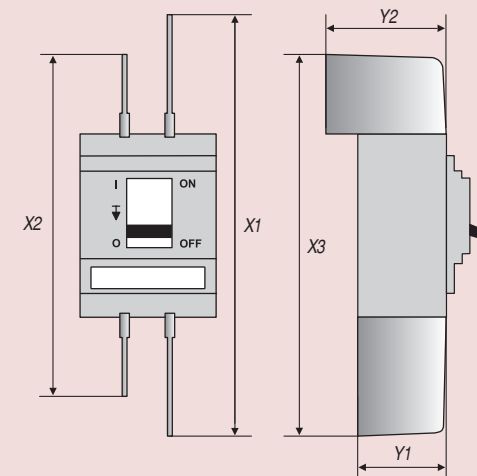
RCD side mounted - FD63/160



Breakers - FE160 and FE250 fixed, front connected



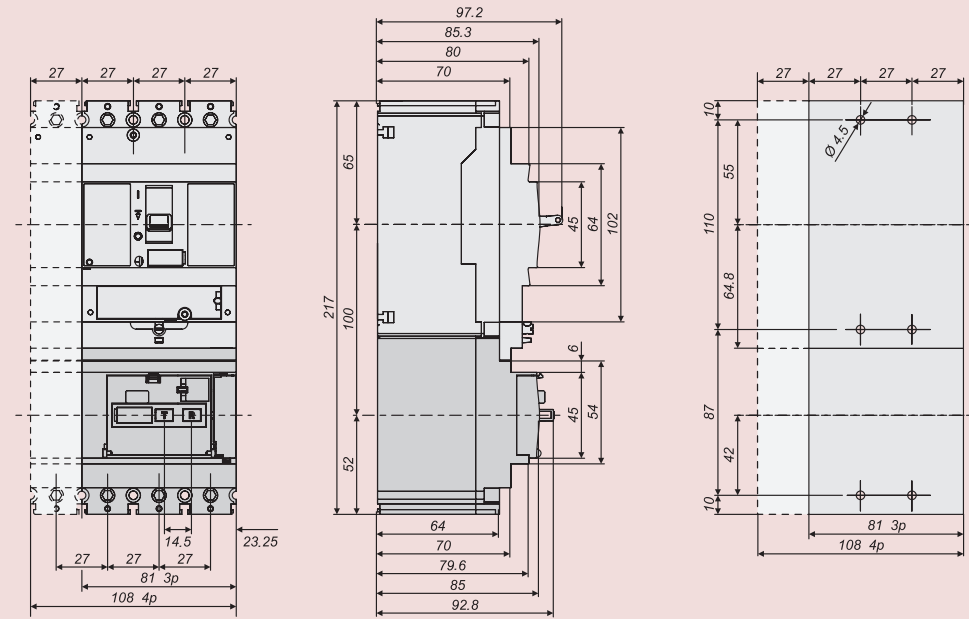
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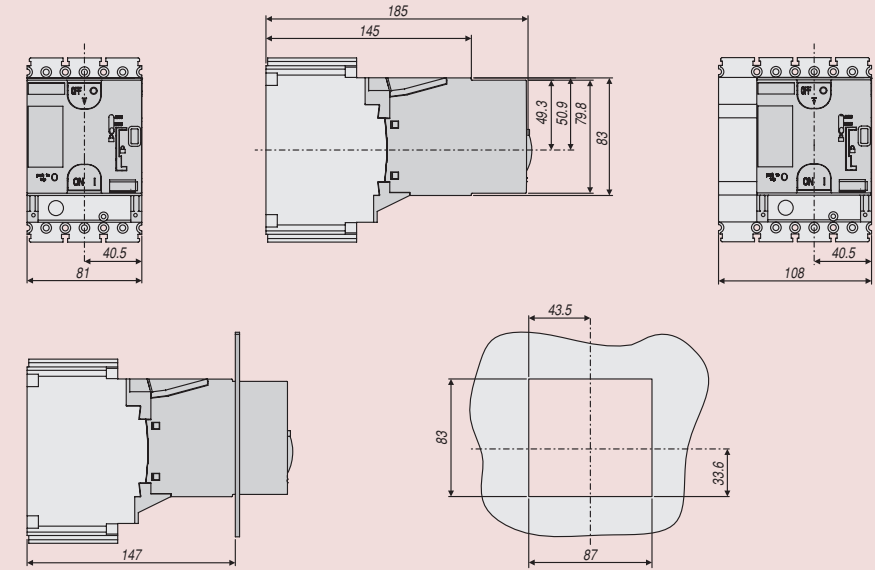
Dimensional Drawings

RCD bottom mounted - FD63/160

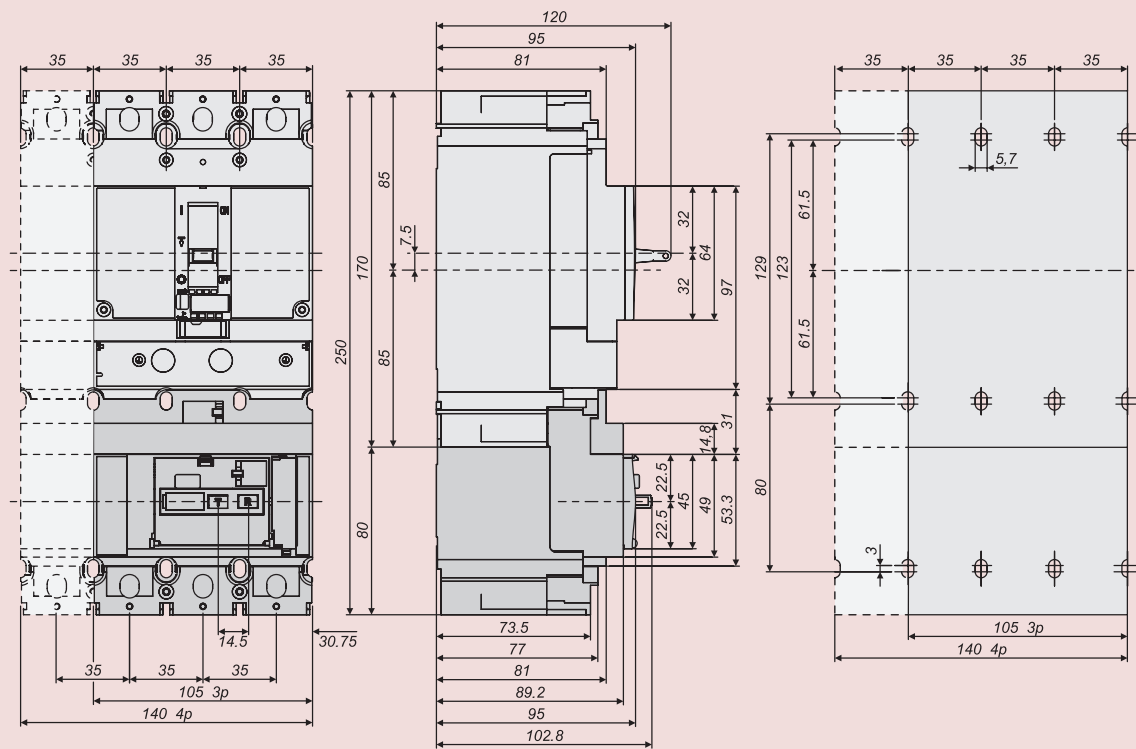


Dimensional Drawings

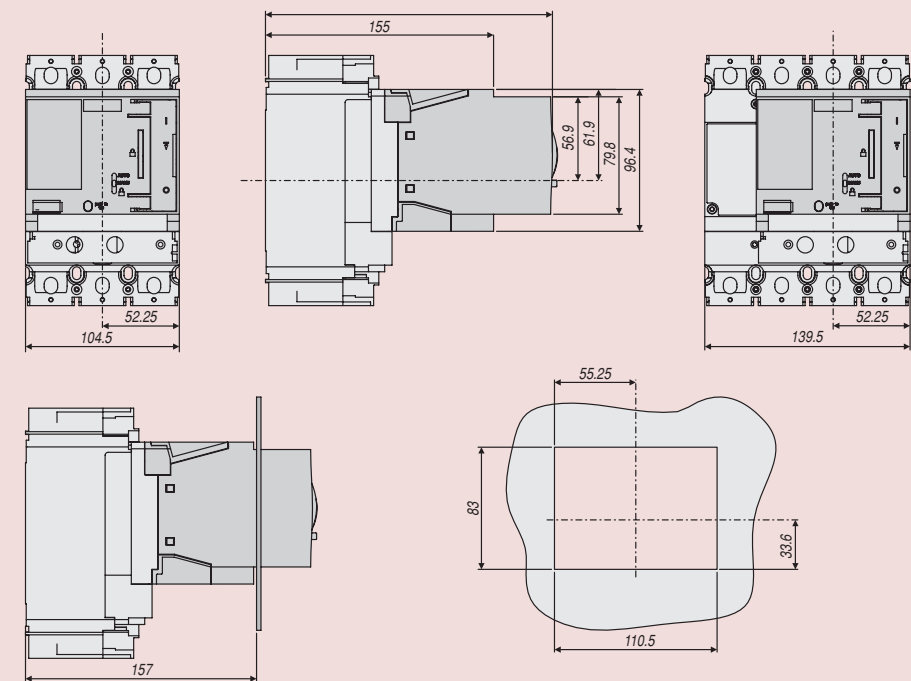
Breakers with electrical operator - FD/160



RCD bottom mounted - FE160 and FE250

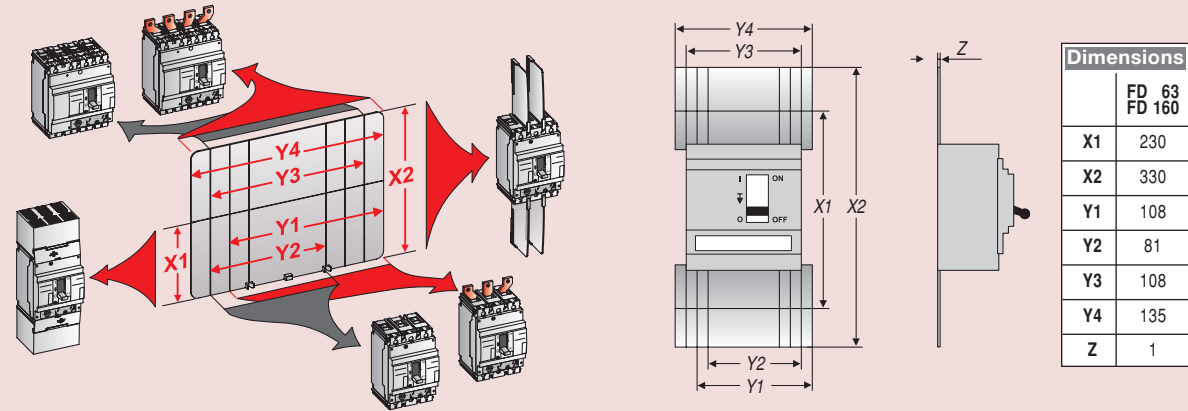


Breakers with electrical operator - FE160 and FE250



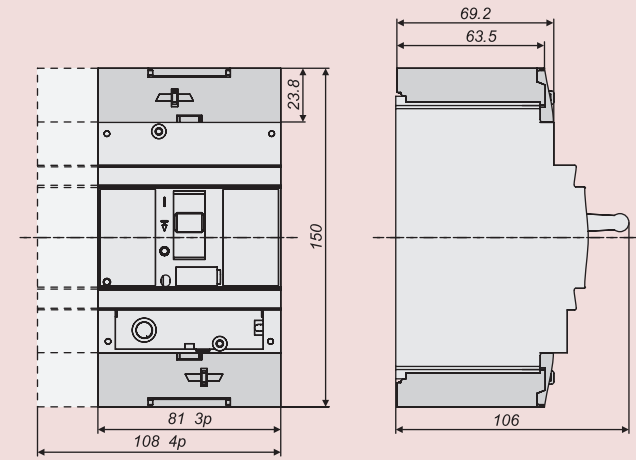
Dimensional Drawings

Back plate - FD63/160

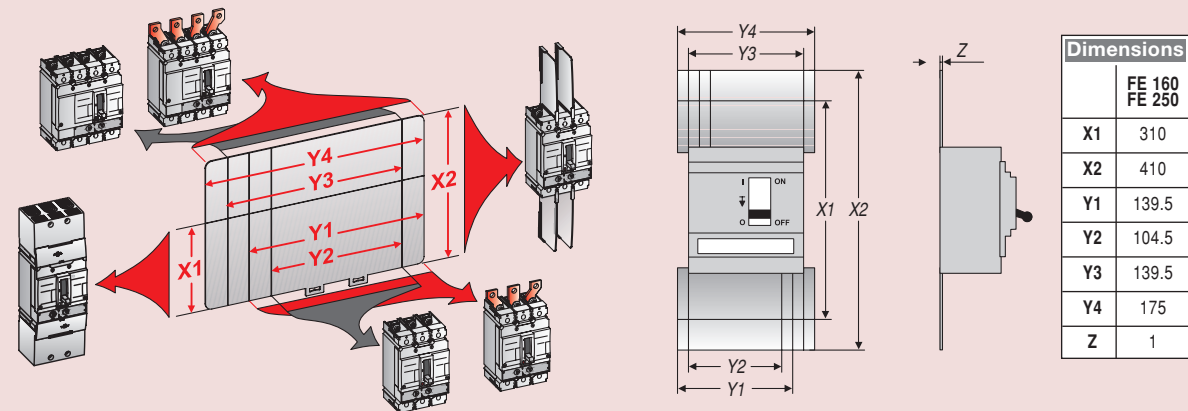


Dimensional Drawings

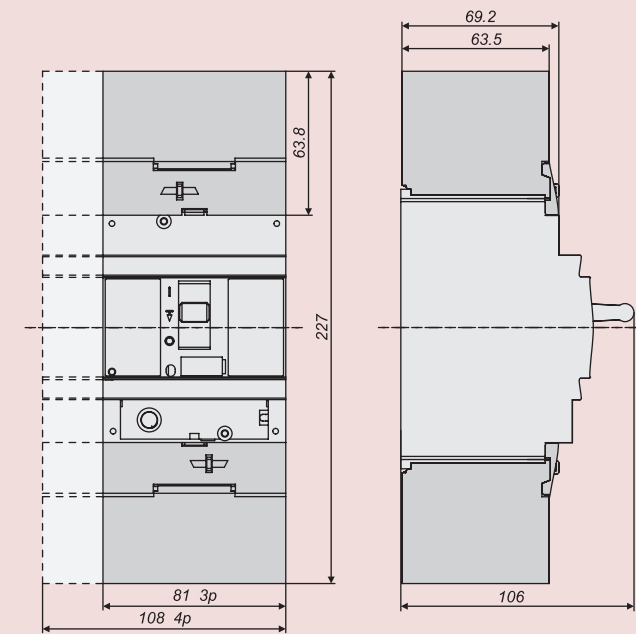
Breaker with short terminal shields - FD63/160



Backplate - FE160 and FE250

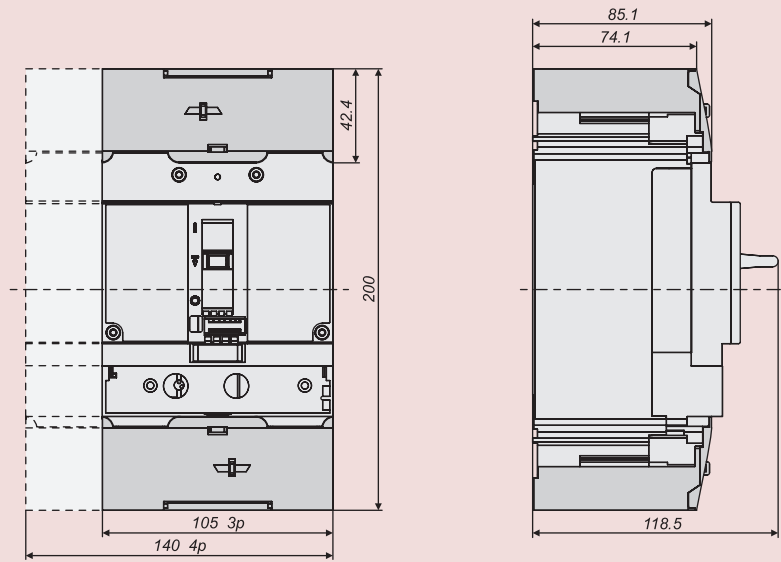


Breaker with long terminal shields - FD63/160



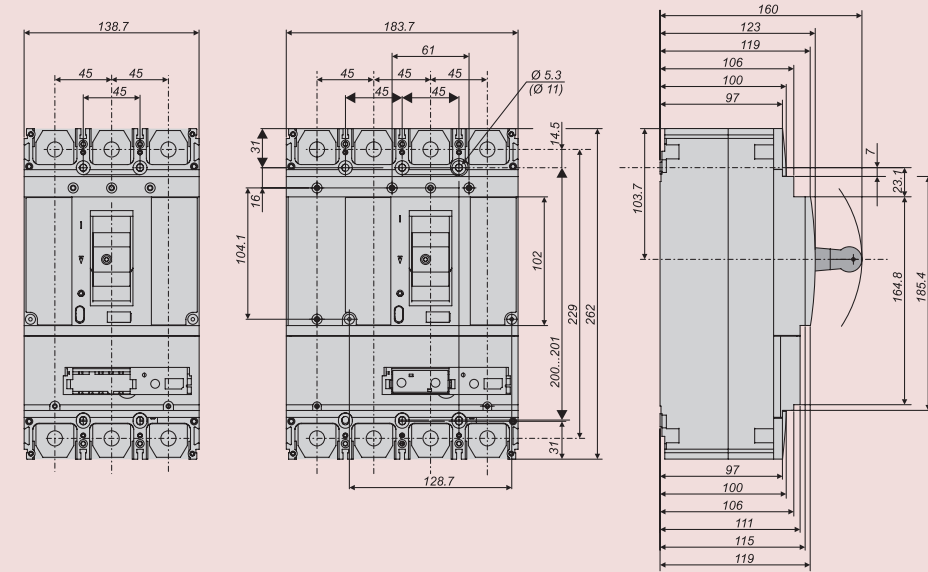
Dimensional Drawings

Breaker with short terminal shields - FE160 and FE250

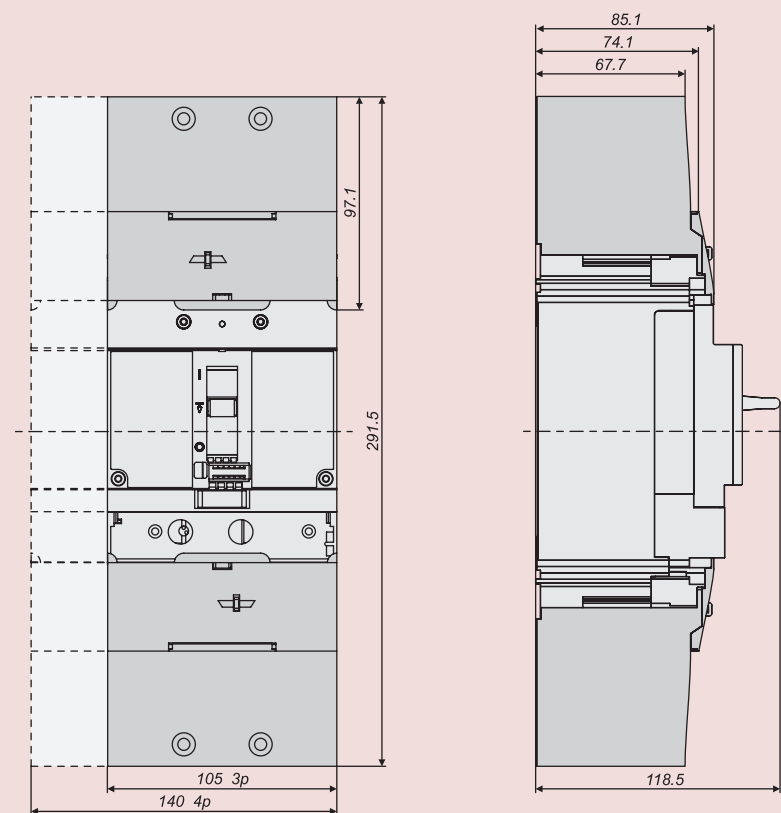


Dimensional Drawings

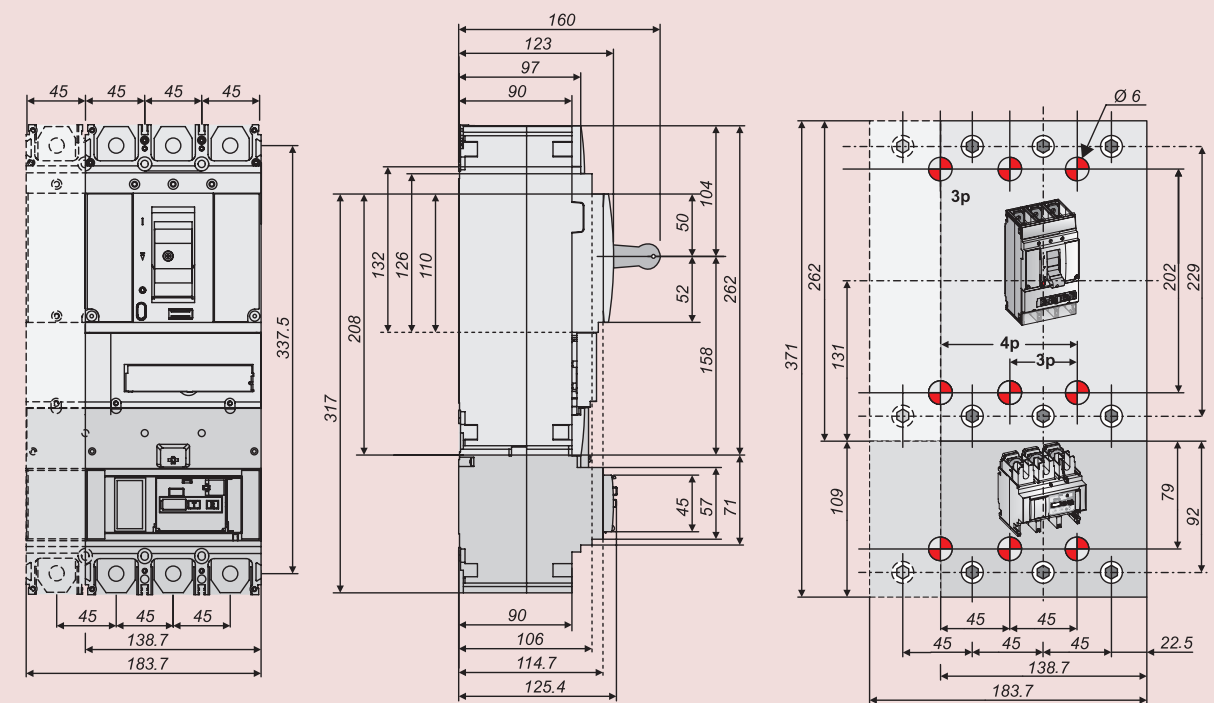
Breakers - FG400/630 fixed, front connected



Breaker with long terminal shields - FE160 and FE250



RCD bottom mounted - FG 400/630



Dimensions

FG frame

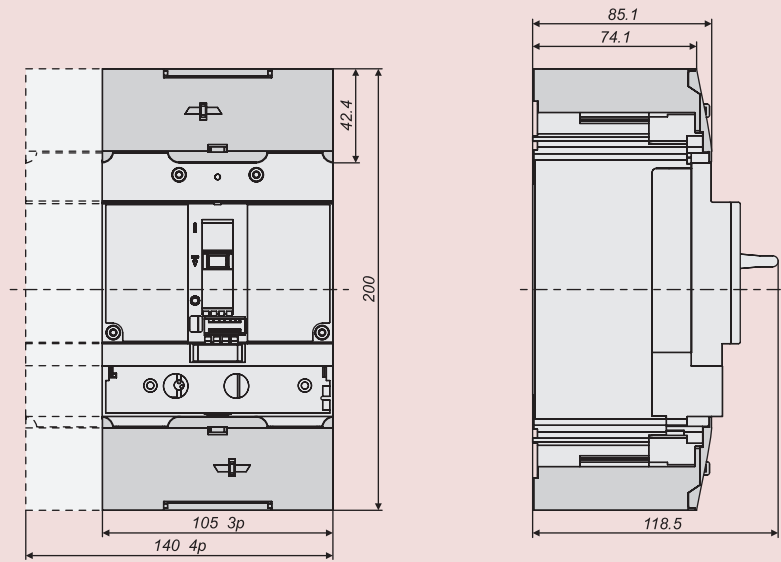
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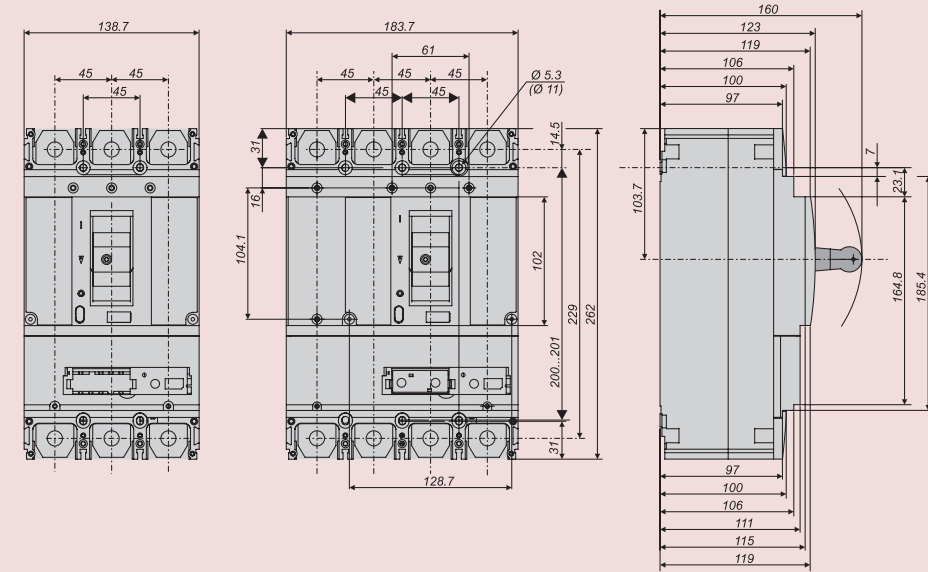
Dimensional Drawings

Breaker with short terminal shields - FE160 and FE250

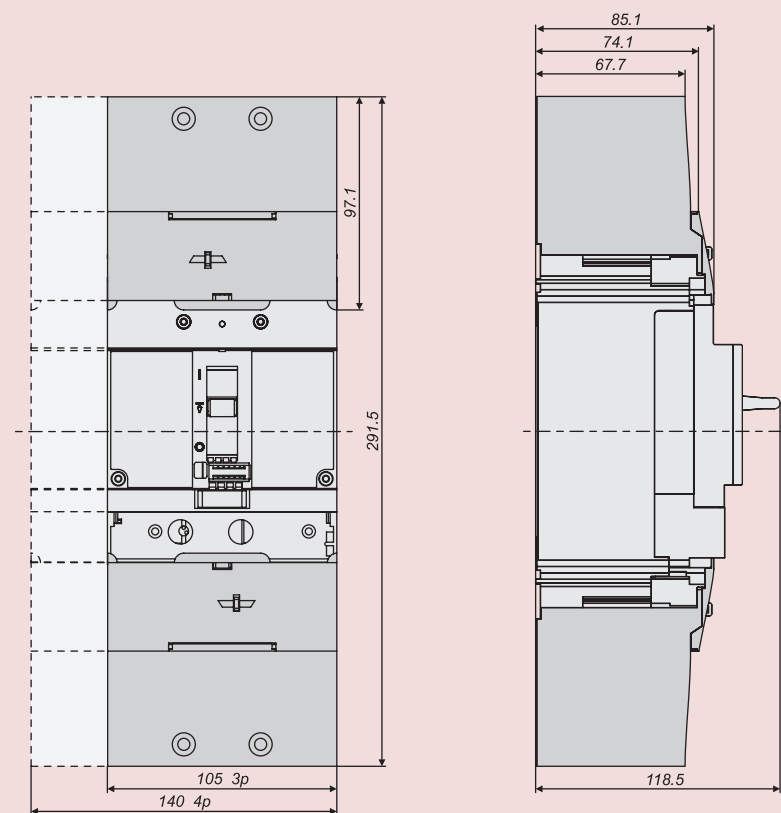


Dimensional Drawings

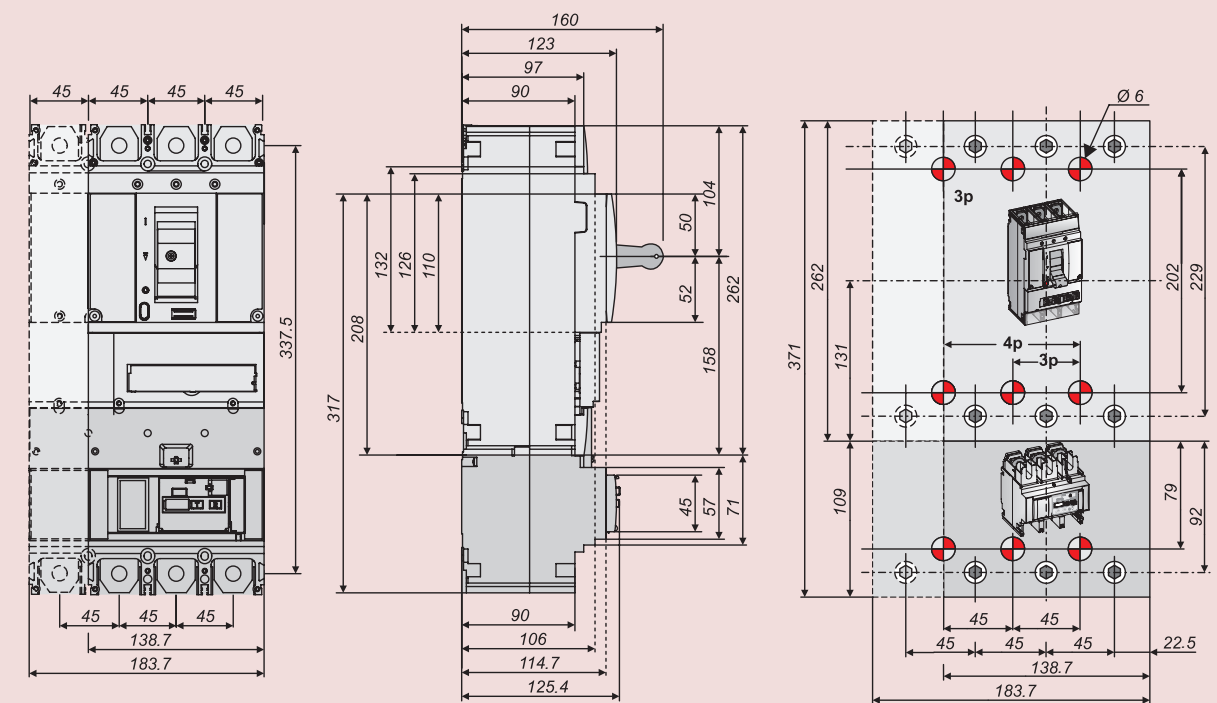
Breakers - FG400/630 fixed, front connected



Breaker with long terminal shields - FE160 and FE250



RCD bottom mounted - FG 400/630



Dimensions

FG frame

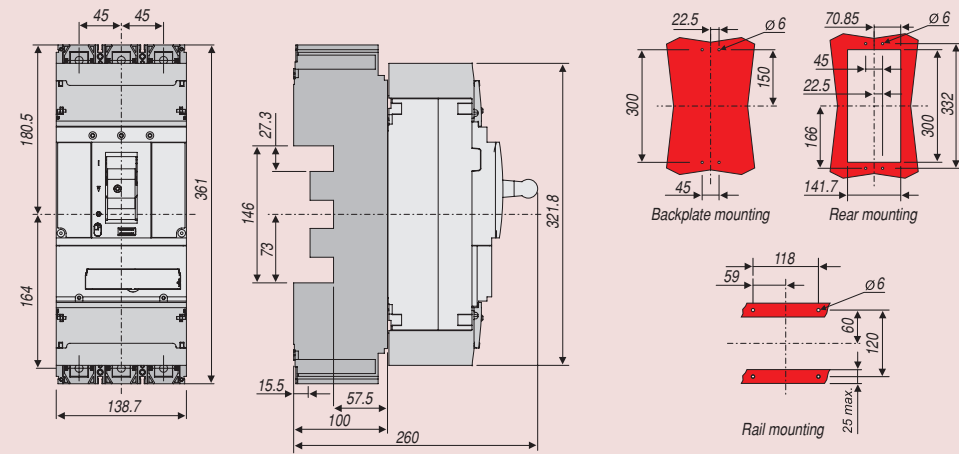
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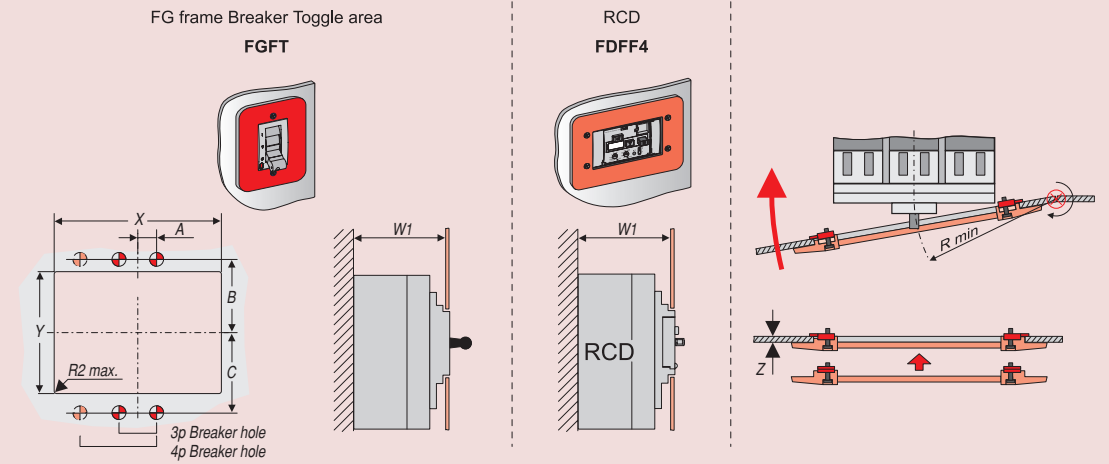
Dimensional Drawings

Plug-in version - FG400/630



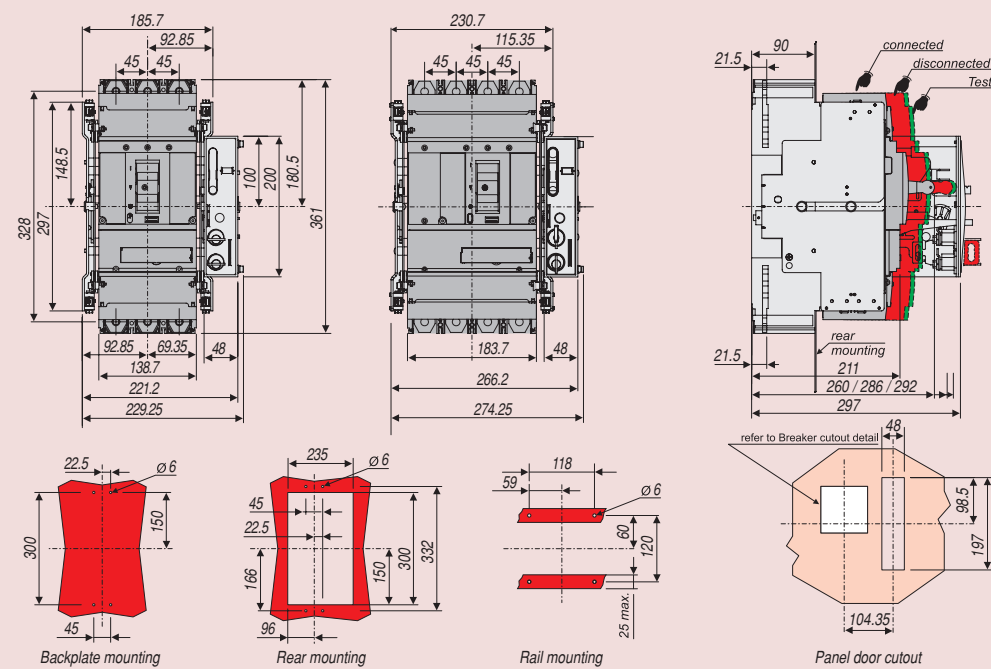
Dimensional Drawings

Door flanges - FG400/630

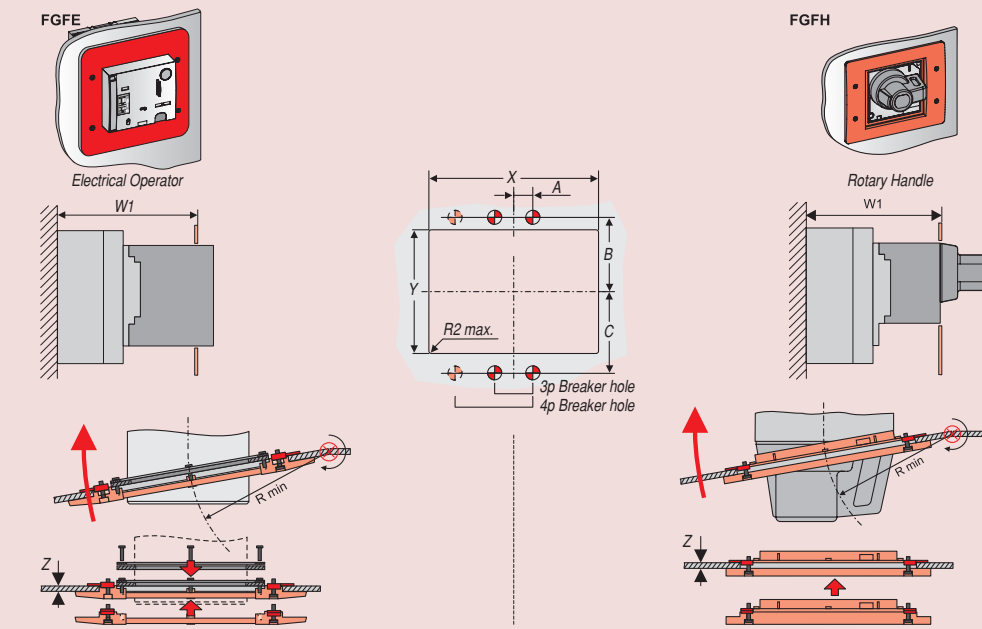


		Dimensions								
		A	B	C	Rmin	W1(max)	X	Y	Z	
FGFT	FG 400/630 Toggle	3p/4p	22.5	73	127	100	115	95	135	1...4
FDFF4	FG 400/630 RCD	3p/4p	22.5	297.5	68.5	93.5	115	146	78	1...4

Drawout version - FG400/630



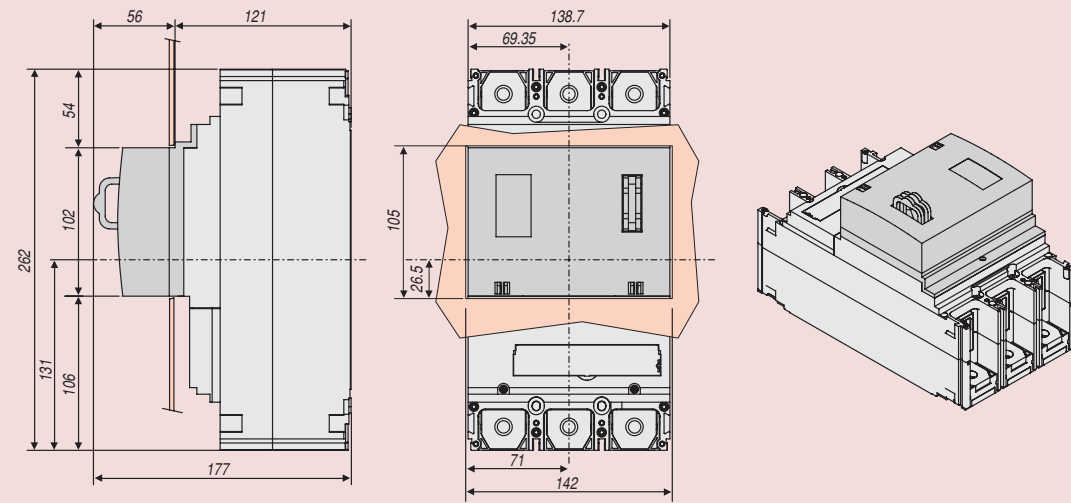
Door flanges - FG400/630



		Dimensions								
		A	B	C	Rmin	W1(max)	X	Y	Z	
FGFE	FG 400/630 Electr. Operator	3+4 pole versions	70.5	85	145	100	238.5	41	126	1...4
FGFH	FG 400/630 Rotary Handle	3+4 pole versions	22.5	72.5	129	115	161	191	181.5	1...4

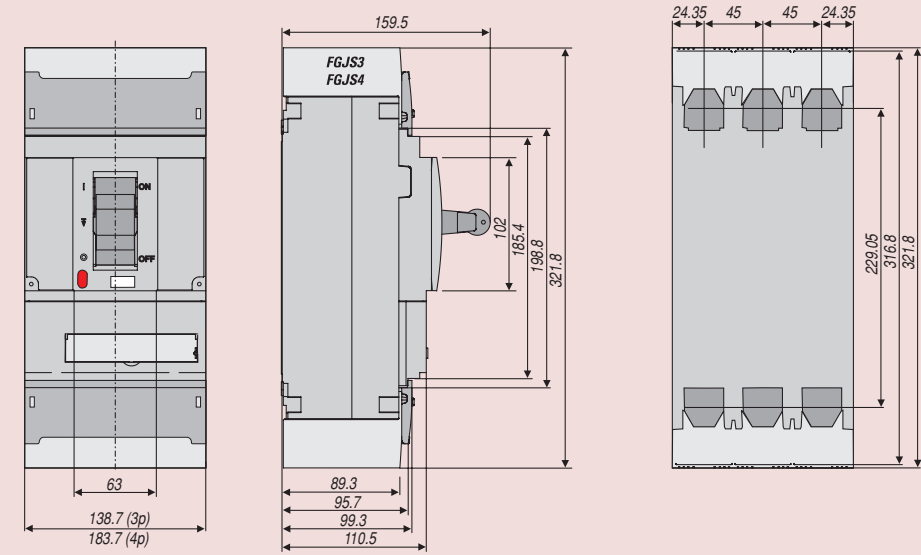
Dimensional Drawings

Padlock fixed - FG400/630

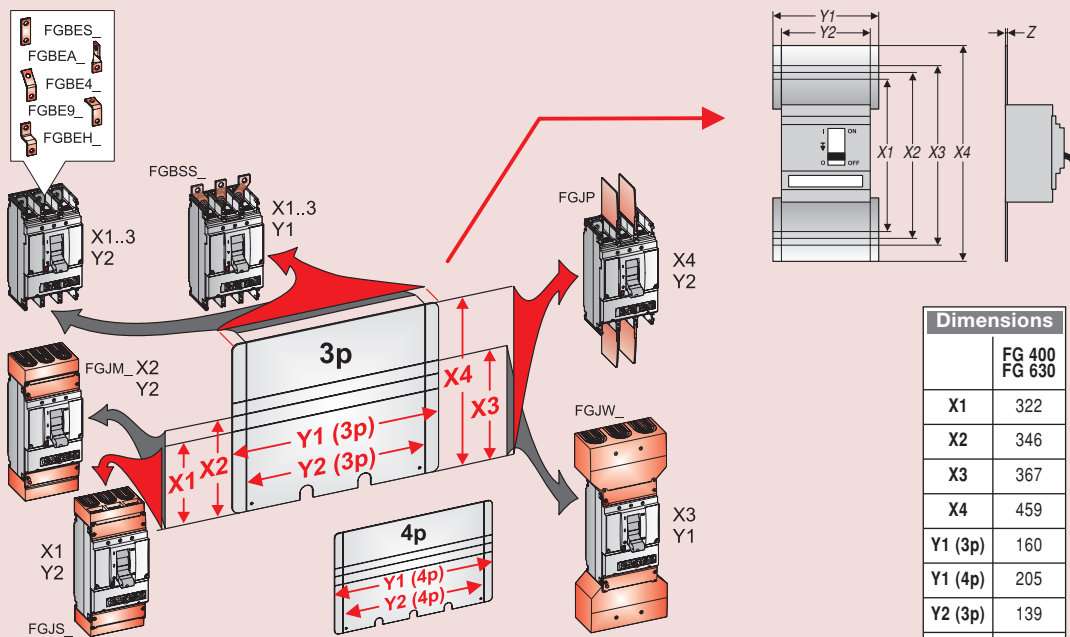


Dimensional Drawings

Breaker with short terminal shields - FG400/630

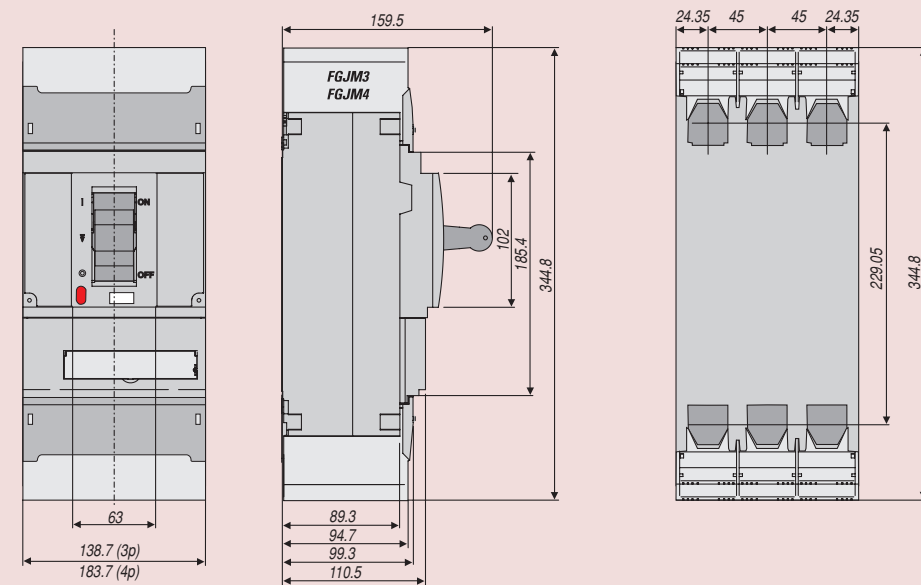


Backplate - FG400/630



Dimensions	
	FG 400 FG 630
X1	322
X2	346
X3	367
X4	459
Y1 (3p)	160
Y1 (4p)	205
Y2 (3p)	139
Y2 (4p)	184
Z	1.5

Breaker with medium terminal shields - FG400/630



Dimensions

FG frame

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