



Go Series

GoPact™ MCCB



Catalog 2024

Molded-Case Circuit Breaker from 16 to 800 A

se.com

Life Is On

Schneider
Electric

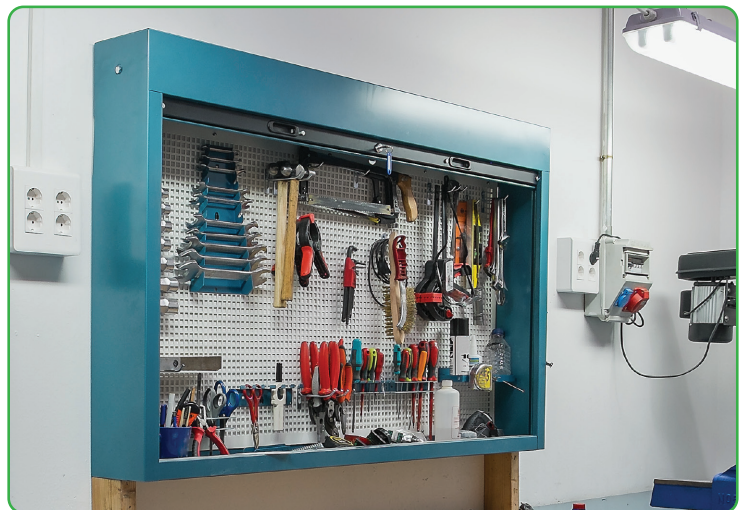
Fundamentals of protection...

GoPact MCCB is a specially designed molded case circuit breaker range dedicated to small and medium-size buildings, factories, OEMs, and other demanding applications. It is an economical solution that provides the best value for money in its class.



As a Schneider Electric offer, the complete range provides:

High Reliability at Affordable Prices



Customer values



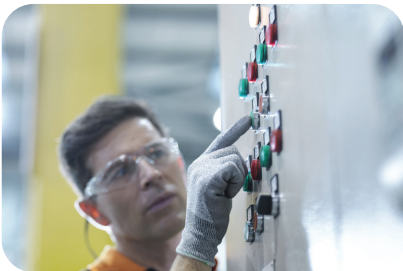
Panel Builders

- Complete range from 16 to 800 A consists of five uniquely sized MCCBs
- Complete portfolio of accessories: Electrical auxiliaries, Insulation auxiliaries, Connection accessories, Control accessories, Internal accessories
- Built-in trip unit



Contractors

- Sufficient pole pitch helps to terminate copper busbars or cables
- Simple product selection thanks to the support of digital tools
- 4-pole circuit breakers provide 100% fourth pole protection by default



OEM

- Ensures continuous performance of machines with robust endurance
- Meets IEC 60947-2 standard and common technical requirements
- Optimizes space with rating adjusted footprints



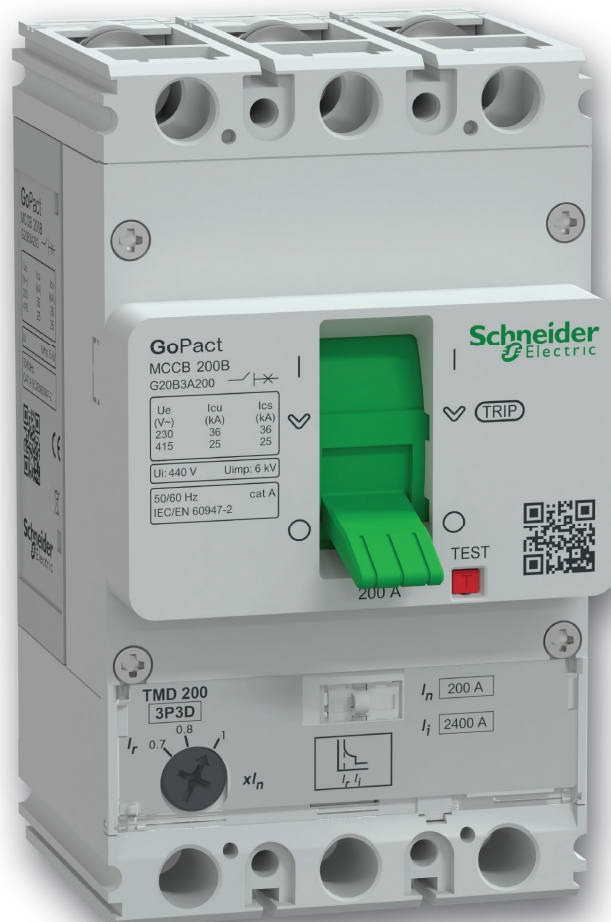
End User

- Schneider Electric performance, quality, and warranty
- Simplified catalog of circuit breaker and accessories
- Worldwide availability and optimized lead time

Simplified offer range with reliable
quality at an **affordable price!**



GoPact MCCB is a simplified offer range with robust quality. Our products maintain performance in harsh environments.



Timely delivery, wherever you are

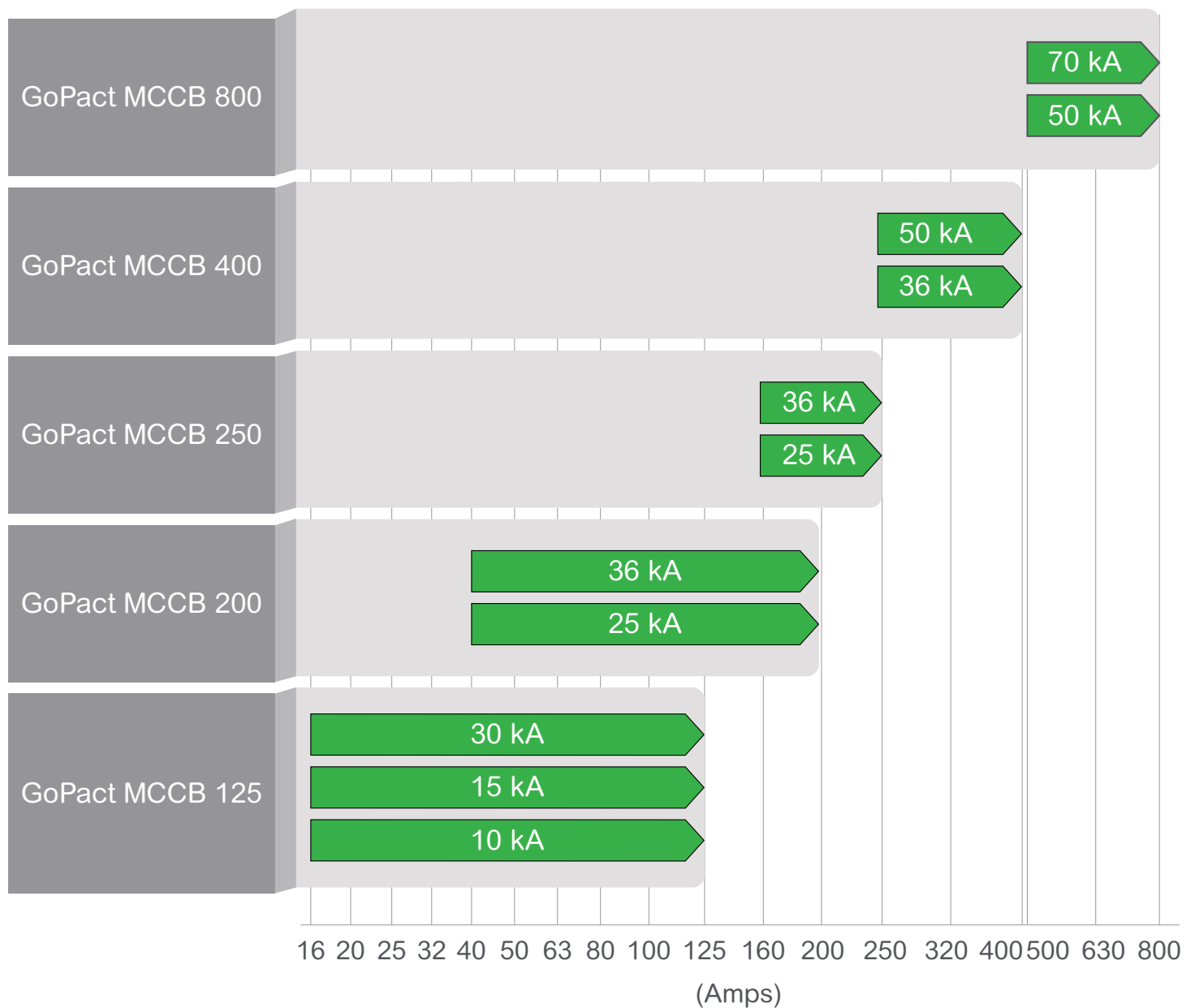
Schneider Electric offers a world-renowned logistics network capable of delivering GoPact MCCB products to you fast, wherever you are.

GoPact MCCB offers

Enhanced features

- Current ratings up to 800 A
- Thermal adjustability across all GoPact MCCBs
- Electronic trip unit from 500 to 800 A
- All phases and neutral are protected by default
- Plug-in base available from GoPact MCCB 200

Breaking capacity at 415 V AC



Comprehensive portfolio of accessories



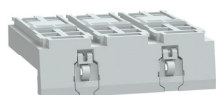
Direct rotary handle



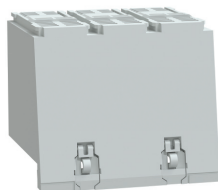
Extended rotary handle



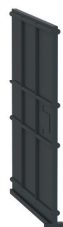
Voltage release (MN/MX)



Short terminal shield



Long terminal shield



Interphase barrier



Electrical auxiliary contact



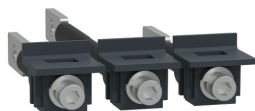
Steel bare cable connector



Terminal extension spreaders



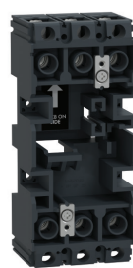
ETU test Kit



Rear connectors



Conversion kit for plug-in base



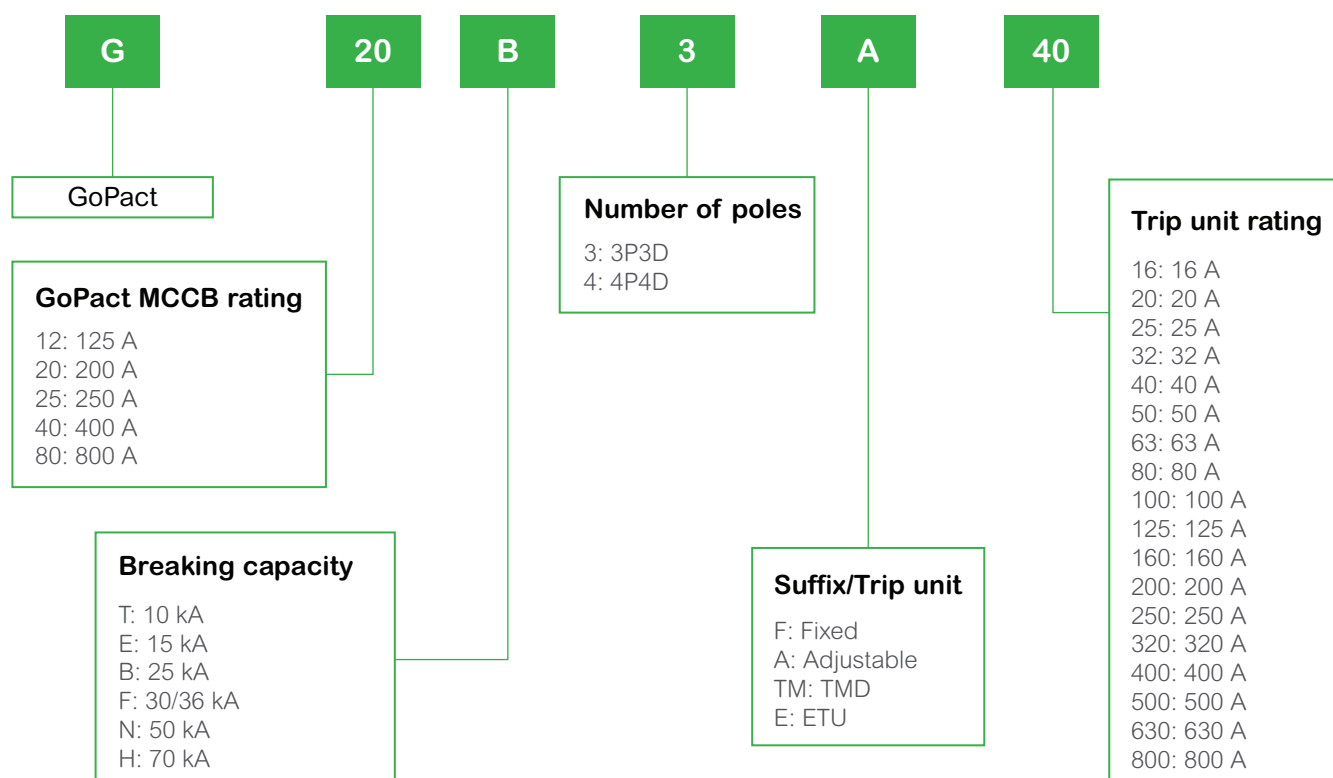
Plug-in base

Applicable only for GoPact MCCB 800 ETU

Large selection of accessories for an easy adaptation to different applications.

Meaningful references to make your life easier

We believe that meaningful commercial references help to improve your productivity during the overall life cycle of the product including Selecting, Purchasing, Controlling, Mounting and Tracking phases.



Scan QR code for circuit breaker updates

Each circuit breaker is equipped with a QR code that provides latest information about the circuit breaker.

It allows you to validate originality of the product through the unique product serial number.





Green Premium™

Endorsing eco-friendly products in the industry



Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel



Discover what we mean by green ...

Check your products!

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

REACH

Schneider Electric applies the strict REACH regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of its products.

PEP: Product Environmental Profile

Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes

General contents

GoPact MCCB

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Introduction

Introduction

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Introduction

Overview

Features



The GoPact range of Molded Case Circuit Breaker (MCCB) is a culmination of innovation. Designed to meet the requirements of today's evolving electrical systems installations.

Considering the changing expectations of customers and a need for an affordable and reliable solution, we introduce the GoPact range of MCCBs with operational voltages up to 415 V, insulation voltage up to 440 V and higher breaking capacities up to 70 kA at 415 V AC.

The thermal magnetic trip units (16 to 800 A) offers comprehensive protection for all needs. System designers and users can choose and implement the protection schemes fitting to their needs.

GoPact MCCB 800 ETU 2.4 equipped with electronic trip unit offers advanced protection.

Features

- Double break contact system for all GoPact MCCB 250, 400 and 800 except GoPact MCCB 125 and 200 (single break)
- Range from 16 to 800 A available in 3 pole 3D and 4 pole 4D
- Protection using both TMD thermal magnetic trip unit (fixed and adjustable) and ETU 2.4 electronic trip unit (GoPact MCCB 800 only)
- Various types of power connection
- High electrical and mechanical life
- Large coverage of operational voltages
- Wide range of internal and external accessories
- Compact size provided with double insulation
- Common connection for fixed and plug-in versions

Schneider Electric do not recommend the mix of different range of circuit breakers.

Codes and standards

GoPact MCCB series and auxiliaries comply with:

- IEC 60947-1: General rules
- IEC 60947-2: Circuit-breakers
- IEC 60947-5-1: Control circuit devices and switching elements – Electromechanical control circuit devices

EU Declaration of Conformity:

Environment:

GoPact MCCB series respects the European directives 2011/65/EU and 2015/863/EU concerning the restriction of hazardous substances (RoHS).

WEEE Directive:

GoPact MCCB series respects the European directives 2014/35/EU concerning on managing the waste of electrical and electronic equipment.

Power connection options

- Terminal extension spreaders
- Rear connectors
- Steel bare cable connectors

GoPact MCCB 125

Trip unit	TMD Fixed/Adjustable
Current rating	16 A - 125 A
Breaking capacity (Icu) at 415 V AC	10 kA - 15 kA - 30 kA

GoPact MCCB 200

Trip unit	TMD Adjustable
Current rating	40 A - 200 A
Breaking capacity (Icu) at 415 V AC	25 kA - 36 kA

GoPact MCCB 250

Trip unit	TMD Adjustable
Current rating	160 A - 250 A
Breaking capacity (Icu) at 415 V AC	25 kA - 36 kA

GoPact MCCB 400

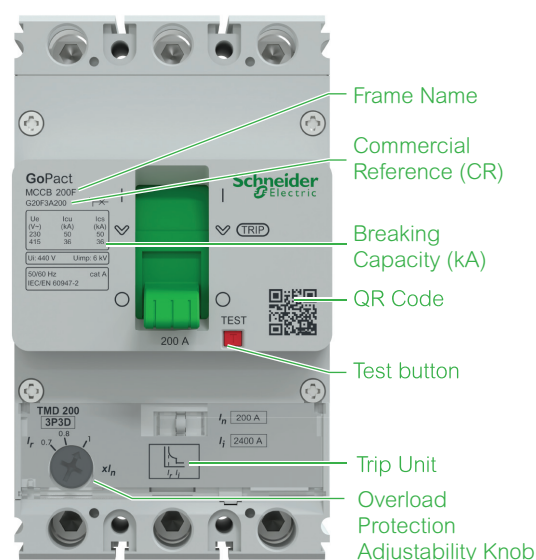
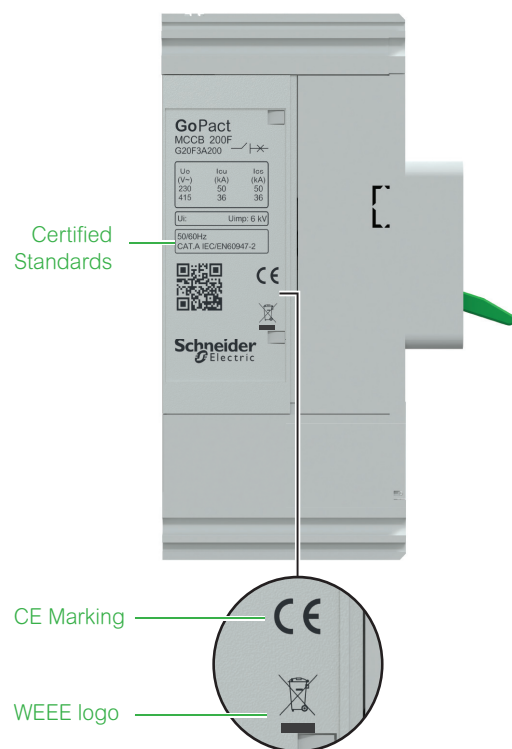
Trip unit	TMD Adjustable
Current rating	250 A - 400 A
Breaking capacity (Icu) at 415 V AC	36 kA - 50 kA

GoPact MCCB 800

Trip unit	TMD/ETU Adjustable
Current rating	500 A - 800 A
Breaking capacity (Icu) at 415 V AC	50 kA - 70 kA

GoPact MCCB will not provide Selectivity or Cascading table. Please contact your sales representative or customer care center for more information.

WEEE¹: Waste Electrical and Electronic Equipment Recycling



Order your GoPact MCCB through digital tools

To simplify and expedite the ordering of GoPact MCCB, new tools are introduced:

- **Product selector:**

An online software tool embedded in Schneider website or in distributor's website to help selecting the right product with its accessories.

- **MySE:**

Online ordering platform of Schneider for partners, offering most of our products.

Product selector

Product selector aims at providing a fast, secure and smart way of selecting products. It includes the selection of the basic frame, trip unit, accessories. Compared with the traditional way of filling up order forms or specifying customer functions, it brings the following benefits:

- **Easy access:**

No login, direct access on Schneider website or on distributor's website

- **Reliable:**

Compatibilities between core product and accessories are constantly tested

Scan the QR code to select your GoPact MCCB from the Product selector



Introduction

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Technical Datasheet

GoPact MCCB 125				16 - 125 A		
Breaking capacity levels				T	E	F
Poles				3P/4P		
Breaking capacity offered (kA rms) at 50/60 Hz						
IEC 60947-2	Ue	220 - 230 V AC	Icu	20 kA	25 kA	50 kA
			Ics	20 kA	25 kA	25 kA
	Ue	380 - 415 V AC	Icu	10 kA	15 kA	30 kA
			Ics	10 kA	15 kA	15 kA
Rated current (A)		In	40 °C	16/20/25/32/ 40/50/63/80/ 100/125	16/20/25/32/ 40/50/63/80/ 100/125	16/20/25/32/ 40/50/63/80/ 100/125
Utilisation category				Cat A	Cat A	Cat A
Maximum rated current In depending on the version			Fixed	125 A	125 A	125 A
			Plug in	Not offered	Not offered	Not offered
Rated insulation voltage Ui						
		Main conducting paths	440 V	440 V	440 V	
		Auxiliary circuits	440 V	440 V	440 V	
Rated impulse withstand voltage Uimp						
		Main conducting paths (kV)	6	6	6	
		Auxiliary circuits (kV)	4	4	4	
Rated operational voltage Ue						
		Voltage (V)	415	415	415	
Permissible ambient temperature range			Storage Operation	-35 °C to 85 °C -20 °C to 55 °C	-35 °C to 85 °C -20 °C to 55 °C	-35 °C to 85 °C -20 °C to 55 °C
Durability (Operating cycles)			Mechanical	30,000	30,000	30,000
			Electrical at 415 V AC	125 A - 5000 100 A - 8000	125 A - 5000 100 A - 8000	125 A - 5000 100 A - 8000
Maximum switching frequency # operations per minute				2	2	2
Dimensions (H*W*D) (mm)			3 Pole	130*75*60	130*75*60	130*75*60
			4 Pole	130*100*60	130*100*60	130*100*60
Pole to pole distance mm (Pitch in mm)^				25	25	25
Approx weight (kg)			Fixed (3P/4P)	0.7/0.9	0.7/0.9	0.7/0.9
			Plug-in (3P/4P)	Not offered	Not offered	Not offered
IP Protection		IPXX	IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)	

^ For 125 A current rating, use of spreader is mandatory. With spreader, pole to pole distance(pitch) is 35mm.

GoPact MCCB 200			40 - 160 A	
Breaking capacity levels			B	F
Poles			3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz				
IEC 60947-2	Ue 220 - 230 V AC	Icu	36 kA	50 kA
		Ics	36 kA	50 kA
	Ue 380 - 415 V AC	Icu	25 kA	36 kA
		Ics	25 kA	36 kA
Rated current (A)	In	40 °C	40/50/63/80/100/125/160	40/50/63/80/100/125/160
Utilisation category			Cat A	
Maximum rated current In depending on the version		Fixed	160 A	160 A
		Plug in	144 A	144 A
Rated insulation voltage Ui				
		Main conducting paths	440 V	440 V
		Auxiliary circuits	440 V	440 V
Rated impulse withstand voltage Uimp				
		Main conducting paths (kV)	6	6
		Auxiliary circuits (kV)	4	4
Rated operational voltage Ue				
		Voltage (V)	415	415
Permissible ambient temperature range		Storage	-35 °C to 85 °C	-35 °C to 85 °C
		Operation	-20 °C to 55 °C	-20 °C to 55 °C
Durability (Operating cycles)	Mechanical		30,000	30,000
	Electrical at 415 V AC		8,000	8,000
Maximum switching frequency # operations per minute			4	4
Dimensions (H*W*D) (mm)	3 Pole		130*75*60	130*75*60
	4 Pole		130*100*60	130*100*60
Pole to pole distance mm (Pitch in mm)			25	25
Approx weight (kg)	Fixed (3P/4P)		0.9/1.1	0.9/1.1
	Plug-in (3P/4P)		1.5/2.4	1.5/2.4
IP Protection	IPXX		IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

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Technical Datasheet

GoPact MCCB 200			200 A	
Breaking capacity levels			B	F
Poles			3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz				
IEC 60947-2	Ue 220 - 230 V AC	Icu	36 kA	50 kA
		Ics	36 kA	50 kA
	Ue 380 - 415 V AC	Icu	25 kA	36 kA
		Ics	25 kA	36 kA
Rated current (A)	In	40 °C	200	200
Utilisation category			Cat A	
Maximum rated current In depending on the version		Fixed	200 A	200 A
Rated insulation voltage Ui				
	Main conducting paths		440 V	440 V
	Auxiliary circuits		440 V	440 V
Rated impulse withstand voltage Uimp				
	Main conducting paths (kV)		6	6
	Auxiliary circuits (kV)		4	4
Rated operational voltage Ue				
	Voltage (V)		415	415
Permissible ambient temperature range		Storage Operation	-35 °C to 85 °C -20 °C to 55 °C	-35 °C to 85 °C -20 °C to 55 °C
Durability (Operating cycles)	Mechanical		20,000	20,000
	Electrical at 415 V AC		6,000	6,000
Maximum switching frequency # operations per minute			4	4
Dimensions (H*W*D) (mm)		3 Pole 4 Pole	130*75*60 130*100*60	130*75*60 130*100*60
Pole to pole distance mm (Pitch in mm)^			25	25
Approx weight (kg)		Fixed (3P/4P)	0.9/1.1	0.9/1.1
IP Protection	IPXX		IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

^ For 200 A current rating, use of spreader is mandatory. With spreader, pole to pole distance(pitch) is 45mm.

GoPact MCCB 250			160 - 250 A	
Breaking capacity levels			B	F
Poles			3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz				
IEC 60947-2	Ue 220 - 230 V AC	Icu	36 kA	50 kA
		Ics	36 kA	50 kA
	Ue 380 - 415 V AC	Icu	25 kA	36 kA
		Ics	25 kA	36 kA
Rated current (A)	In	40 °C	160/200/250	160/200/250
Utilisation category			Cat A	
Maximum rated current In depending on the version		Fixed	250 A	250 A
		Plug in	225 A	225 A
Rated insulation voltage Ui				
		Main conducting paths	440 V	440 V
		Auxiliary circuits	440 V	440 V
Rated impulse withstand voltage Uimp				
		Main conducting paths (kV)	8	8
		Auxiliary circuits (kV)	4	4
Rated operational voltage Ue				
		Voltage (V)	415	415
Permissible ambient temperature range		Storage Operation	-35 °C to 85 °C -20 °C to 55 °C	-35 °C to 85 °C -20 °C to 55 °C
Durability (Operating cycles)	Mechanical		25,000	25,000
	Electrical at 415 V AC		8,000	8,000
Maximum switching frequency # operations per minute			2	2
Dimensions (H*W*D) (mm)		3 Pole	165*105*90	165*105*90
		4 Pole	165*140*90	165*140*90
Pole to pole distance mm (Pitch in mm)			35	35
Approx weight (kg)		Fixed (3P/4P)	1.9/2.4	1.9/2.4
		Plug-in (3P/4P)	3.4/4.2	3.4/4.2
IP Protection		IPXX	IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

Introduction

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Technical Datasheet

GoPact MCCB 400			250 - 400 A	
Breaking capacity levels			F	N
Poles			3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz				
IEC 60947-2	Ue 220 - 230 V AC	Icu	45 kA	65 kA
		Ics	45 kA	65 kA
	Ue 380 - 415 V AC	Icu	36 kA	50 kA
		Ics	36 kA	50 kA
Rated current (A)	In	40 °C	250/320/400	250/320/400
Utilisation category			Cat A	
Maximum rated current In depending on the version		Fixed	400 A	400 A
		Plug in	360 A	360 A
Rated insulation voltage Ui				
	Main conducting paths		440 V	440 V
	Auxiliary circuits		440 V	440 V
Rated impulse withstand voltage Uimp				
	Main conducting paths (kV)		8	8
	Auxiliary circuits (kV)		4	4
Rated operational voltage Ue				
	Voltage (V)		415	415
Permissible ambient temperature range		Storage Operation	-35 °C to 85 °C -20 °C to 55 °C	-35 °C to 85 °C -20 °C to 55 °C
Durability (Operating cycles)	Mechanical		15,000	15,000
	Electrical at 415 V AC		5,000	5,000
Maximum switching frequency # operations per minute			2	2
Dimensions (H*W*D) (mm)		3 Pole 4 Pole	205*120*105 205*160*105	205*120*105 205*160*105
Pole to pole distance mm (Pitch in mm)			40	40
Approx Weight (kg)		Fixed (3P/4P) Plug-in (3P/4P)	3.5/4.5 7/9	3.5/4.5 7/9
IP Protection	IPXX		IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

A

GoPact MCCB 800				500 - 630 A	
Breaking capacity levels				N	H
Poles				3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz					
IEC 60947-2	Ue 220 - 230 V AC	Icu		65 kA	80 kA
		Ics		65 kA	80 kA
	Ue 380 - 415 V AC	Icu		50 kA	70 kA
		Ics		50 kA	70 kA
Rated current (A)	In	40 °C	TMD ETU	500/630 500/630	500/630 500/630
Utilisation category				Cat A	
Maximum rated current In depending on the version		Fixed		630 A	630 A
		Plug in		630 A	630 A
Rated insulation voltage Ui					
	Main conducting paths			440 V	440 V
	Auxiliary circuits			440 V	440 V
Rated impulse withstand voltage Uimp					
	Main conducting paths (kV)			8	8
	Auxiliary circuits (kV)			4	4
Rated operational voltage Ue					
	Voltage (V)			415	415
Permissible ambient temperature range		Storage		-35 °C to 85 °C	-35 °C to 85 °C
		Operation		-20 °C to 55 °C	-20 °C to 55 °C
Durability (Operating cycles)	Mechanical			15,000	5,000
	Electrical at 415 V AC			3,000	3,000
Maximum switching frequency # operations per minute				1	1
Dimensions (H*W*D) (mm)	3 Pole			250*180*105	250*180*105
	4 Pole			250*240*105	250*240*105
Pole to pole distance mm (Pitch in mm)				60	60
Approx weight (kg)	Fixed (3P/4P)			6.9/8.9	6.9/8.9
	Plug-in (3P/4P)			19/24	19/24
IP Protection	IP##			IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

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Technical Datasheet

GoPact MCCB 800					800 A	
Breaking capacity levels					N	H
Poles					3P/4P	
Breaking capacity offered (kA rms) at 50/60 Hz						
IEC 60947-2	Ue	220 - 230 V AC		Icu	65 kA	80 kA
				Ics	65 kA	80 kA
	Ue	380 - 415 V AC		Icu	50 kA	70 kA
				Ics	50 kA	70 kA
Rated current (A)	In	40 °C	TMD ETU	800 800	800 800	
Utilisation category					Cat A	Cat A
Maximum rated current In depending on the version		Fixed		800 A	800 A	
		Plug in		720 A	720 A	
Rated insulation voltage Ui						
		Main conducting paths			440 V	440 V
		Auxiliary circuits			440 V	440 V
Rated impulse withstand voltage Uimp						
		Main conducting paths (kV)			8	8
		Auxiliary circuits (kV)			4	4
Rated operational voltage Ue						
		Voltage (V)			415	415
Permissible ambient temperature range		Storage			-35 °C to 85 °C	-35 °C to 85 °C
		Operation			-20 °C to 55 °C	-20 °C to 55 °C
Durability (Operating cycles)	Mechanical			15,000	15,000	
	Electrical at 415 V AC			3,000	3,000	
Maximum switching frequency # operations per minute					1	1
Dimensions (H*W*D) (mm)		3 Pole			250*180*105	250*180*105
		4 Pole			250*240*105	250*240*105
Pole to pole distance mm (Pitch in mm)					60	60
Approx weight (kg)		Fixed (3P/4P)			6.9/8.9	6.9/8.9
		Plug-in (3P/4P)			19/24	19/24
IP Protection	IP##				IP20 (Termination)/ IP40(Panel cutout area)	IP20 (Termination)/ IP40(Panel cutout area)

Introduction

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Protection

Protection	GoPact MCCB 125	GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
Overload protection	Fixed / Adj Thermal	Adj Thermal	Adj Thermal	Adj Thermal	Adj Thermal / Electronic
Short-circuit protection	Fixed Magnetic	Fixed Magnetic	Fixed Magnetic	Fixed Magnetic	Fixed Magnetic / Adj Electronic
Earth-leakage Protection via VigiPact relay	Use VigiPact catalouge, refer compatibility table page				
Motor Protection	-	-	-	-	Adj Electronic



Protection Release
for MCCBs

Protection Release for MCCBs

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Earth leakage protection via VigiPact relay.....	B-6

Protection Release for MCCBs

TMD Thermal magnetic trip unit

Features

TMD Thermal magnetic Trip units

Circuit breaker equipped with thermal magnetic trip units are used mainly in industrial and commercial electrical distribution applications for protection of cables on distribution systems supplied by transformers.

Thermal protection (Ir)

- Thermal protection operates according to:
- Rated current is from 16 A to 800 A
 - Using adjustability, thermal protection of 13 A to 800 A can be achieved.

Magnetic protection (Ii)

Short-circuit protection with a fixed pick-up, Ii that initiates instantaneous tripping if exceeded.

Protection versions

- 3 pole:
3P 3D: 3 pole frame (3P) with 100% detection on all 3 poles (3D)
4 pole:
4P 4D: 4 pole frame (4P) with 100% detection on all 4 poles (4D)
(same protection for phases and neutral)

Features

- Fixed or Adjustable overload settings
- Fixed short circuit settings

Thermal magnetic trip units		16 A to 800 A																	
Thermal protection																			
	Rated current (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800
GoPact MCCB 125	Fixed 1.0 In	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-
GoPact MCCB 125	Adjustable 0.8 In to 1.0 In	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-
GoPact MCCB 200	Adjustable - 0.7 In to 1.0 In	-	-	-	-	■	■	■	■	■	■	■	■	-	-	-	-	-	-
GoPact MCCB 250	Adjustable - 0.7 In to 1.0 In	-	-	-	-	-	-	-	-	-	-	■	■	■	-	-	-	-	-
GoPact MCCB 400	Adjustable - 0.7 In to 1.0 In	-	-	-	-	-	-	-	-	-	-	-	-	■	■	■	-	-	-
GoPact MCCB 800	Adjustable - 0.7 In to 1.0 In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■	■	■
Magnetic protection																			
	Rated current (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800
GoPact MCCB 125	Fixed	320	320	320	320	400	500	630	800	1000	1250	-	-	-	-	-	-	-	-
GoPact MCCB 200	Fixed	-	-	-	-	480	600	756	960	1200	1500	1920	2400	-	-	-	-	-	-
GoPact MCCB 250	Fixed	-	-	-	-	-	-	-	-	-	-	1920	2400	3000	-	-	-	-	-
GoPact MCCB 400	Fixed	-	-	-	-	-	-	-	-	-	-	-	-	3000	3840	4800	-	-	-
GoPact MCCB 800	Fixed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6000	6300	6400

all current values in the above table are in Ampere (A)

Protection Release for MCCBs

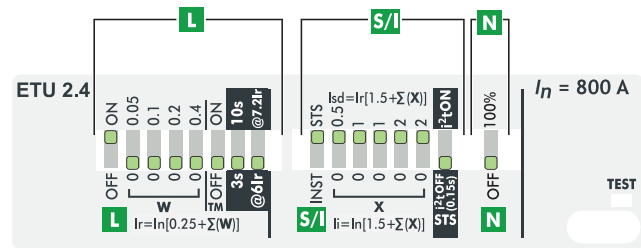
ETU 2.4 Electronic trip unit

Features

In ETU 2.4 offers 2 levels of protection (LS or LI)

Features

- Wide range of overload setting from 0.25 I_n to 1 I_n
- Wide range of short circuit setting from 1.5 I_n to 8 I_n / 10 I_n / 12 I_n depending on rating
- Adjustable trip class
- Neutral overload protection
- Short circuit setting with delay or instantaneous option
- Thermal memory defeat
- Provision for release testing



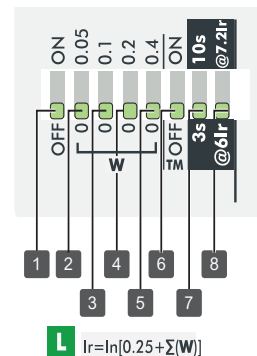
Protection

Settings are made using the DIP switches with adjustment possibilities offer LSIN safety characteristics are:

- Overload (L)
- Short circuit (S)
- Instantaneous (I)
- Overload protection in Neutral (N)

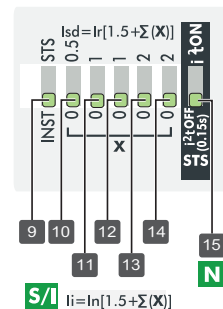
Overload (L):

- 1 Long time protection (Overloads) - ON/OFF
- 2 to 5 I_r adjustability - $I_r = 0.25$ to $1 \times I_n$ (Step of 0.05)
- 6 Thermal Memory - ON/OFF**
- 7 to 8 Time delay, T_r (Inverse) 4 different curves - 3 s or 10 s at $6 \times I_r$ or $7.2 \times I_r$



Short circuit (S) / Instantaneous (I):

- 9 Adjustability on Instantaneous or Short Time (Short Circuit) - INST/STS
- 10 to 14 I_i or I_{sd} adjustability - $I_i^* = 1.5$ to $8/10/12 \times I_n$ (Step of 0.5)
 $T_i = 40$ ms
or
 $I_{sd}^* = 1.5$ to $8/10/12 \times I_r$ (Step of 0.5)
 $T_{sd} = 150$ ms
- 15 Short Time Protection mode - i^2t OFF/ i^2t ON
 i^2t OFF = constant time curve at 150 ms
 i^2t ON = inverse-time curve



Overload protection in Neutral (N):

- 16 Neutral protection - ON/OFF
 - for 3P circuit breaker - not possible
 - for 4P circuit breaker - neutral fully protected at I_r .

Protection Release for MCCBs

ETU 2.4 Electronic trip unit

Features

ETU 2.4 Electronic trip units	
LS/IN	
Rated Current	500 - 800 A
Frame	Frame 800
OverLoad (Phase)	
Current setting Ir (Ir = x In)	0.25 to 1 x In (in step of 0.05)
Time delay, Tr (Inverse)	10 s -> at 6 Ir, 3 s -> at 6 Ir, 10 s -> at 7.2 Ir, 3 s -> at 7.2 Ir
Protection Mode	ON/OFF
Thermal Memory	Enable/Disable
Short Circuit	
Current setting Isd (Isd = x Ir)	1.5 to 8/10/12* x Ir (in step of 0.5) when overload protection mode is OFF then Ir=In
Time delay, Tsd	150 ms
I²T	ON/OFF
Instantaneous	
Current setting Ii (Ii = x In)	1.5 to 8/10/12* x In (in step of 0.5)
OverLoad (Neutral)	
Current setting (I neutral = Ir)	OFF/1.0 x Ir when overload protection mode is OFF then Ir=In
Time delay, Tr (Inverse)	As per Overload Curve Setting
Protection Mode	ON/OFF

* DIP Switches values

DIP Switch No.	10	11	12	13	14	1.5+	$\sum_{k=10}^{14}$
500 A	1.5	0.5	1	2	3	4	=12
630 A	1.5	0.5	1	2	2	3	=10
800 A	1.5	0.5	1	1	2	2	=8

** When Thermal Memory is OFF, then MCCB follows overload delays after every power cycle (power outage), ON-OFF-ON cycle or trip due to fault. When Thermal Memory is ON the tripping time reduces below overload delays after every power cycle (power outage), OFF-ON cycle or trip due to overload fault.

The reduction in trip time for subsequent overload fault depends on the OFF time. Higher the OFF time, trip time would be closer to standard overload curve.

Thermal memory is not applicable for short time or instantaneous faults.

Test kit is available for testing the electronic trip unit. For ordering test kit, use reference code "GETUTESTKIT" or contact local support team.

Earth Leakage protection via VigiPact Relay

GoPact Circuit Breaker with a VigiPacT Relay

VigiPacT relays may be used to add external earth-leakage protection to GoPact circuit breakers.

The circuit breakers must be equipped with corresponding MN or MX voltage release available with the range.

The VigiPacT relays add special tripping thresholds and time delays for earth-leakage protection.

VigiPacT relays are very useful when faced with major installation constraints (circuit breaker already installed and connected, limited space available, etc.).

Toroid types

- Closed toroids up to 630 A (30 to 300 mm in diameter)
- Opened toroids up to 250 A

Relay types

- Type A: up to 5A (RH10, RH21, RH68, RH86, RH99)
- Type AC: RH10, RH21, RH68, RH86, RH99

VigiPacT relay characteristics

Sensitivity range from 30 mA to 30 A and time-delay settings (0 to 4.5 seconds) on some relays.

Earth leakage protection is a protection against:

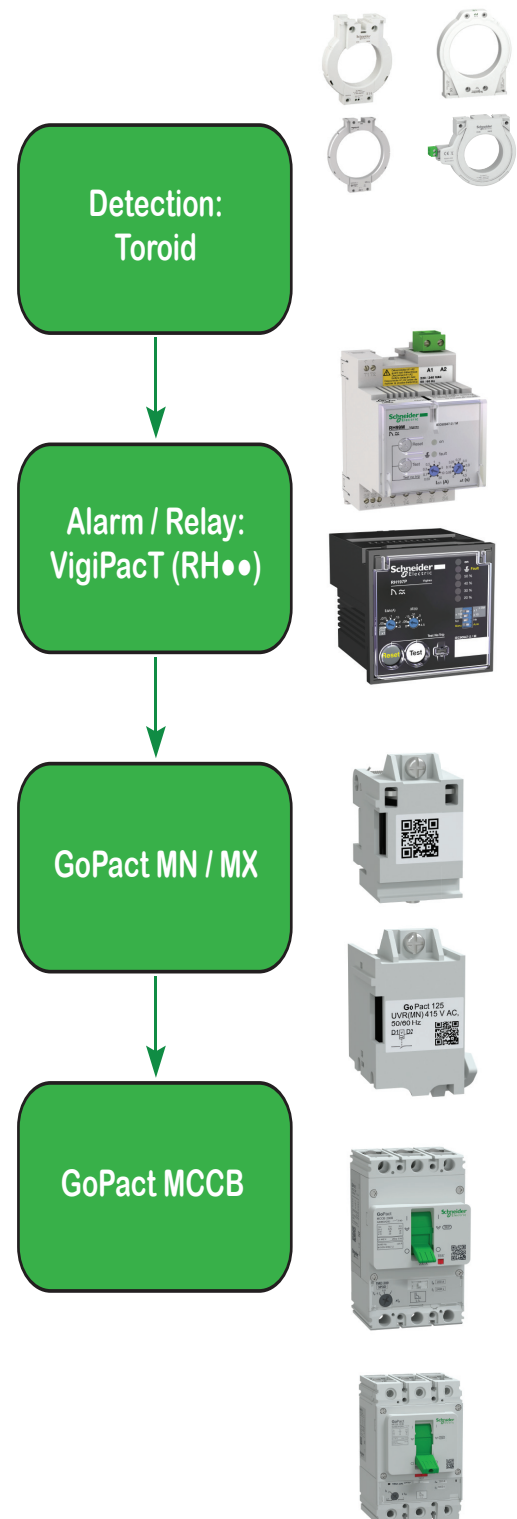
- ⚡ Electric shock
(Human Protection: 30mA - 100mA)

Earth leakage protection provides:

- 🔥 Fire Protection (100mA - 300mA)
- ⚙️ Machine Protection (300mA)

Important points to note:

- Refer the catalogue / light IS of VigiPact relay and Toroid for selection, installation and settings
- Use Pretest button on VigiPact relay to test the working of the breaker + toroid + relay combination
- After wiring recheck the wiring connections to ensure that the wiring is done correctly. Improper termination can lead to inconsistent operation
- Only use wires that are prefitted with MN / MX of GoPact for connection
- Temperature of usage as per MCCB specified range i.e. upto 55C



B

Earth Leakage Protection via VigiPact Relay

Frame	Selected Frame's Current Rating (A)	Toroid	Compatible Relay (RH10-21-68-86-99)
GoPact MCCB 125 (3P / 4P)	upto 65 A	TA30	30 mA
	upto 85 A	PA50	30 mA
	upto 125 A	IA80 - TOA80	100 mA
GoPact MCCB 200 (3P / 4P)	upto 65 A	TA30	30 mA
	upto 85 A	PA50	30 mA
	upto 160 A	IA80 - TOA80	100 mA
	upto 200 A	MA120	100 mA
		TOA120	300 mA
GoPact MCCB 250 (3P / 4P)	upto 160 A	IA80 - TOA80	100 mA
	upto 250 A	MA120	100 mA
		TOA120	300 mA
GoPact MCCB 400 (3P / 4P)	upto 250 A	MA120	100 mA
		TOA120	300 mA
	upto 400 A	SA200	300 mA
GoPact MCCB 800 (3P / 4P)	upto 630 A	GA300	300 mA

Please refer to Vigipact catalog [LVPED220034EN](#) for details related to relays / toroids and applicable standards including IEC 60755 and IEC 60947-2 annex M.
Compatible relays : RH10-21-68-86-99



Functions and Characteristics

Functions and Characteristics

Accessories and Auxiliaries	C-3
Internal accessories	C-3
Shunt trip release (MX)	C-3
Voltage release (MN)	C-4
External accessories	C-5
Plug-in Version	C-6
Conversion kit	C-6
ETU Test kit	C-6

Functions and Characteristics

Accessories and Auxiliaries

Overview

Internal Accessories

GoPact MCCBs offers a wide range of accessories. There are up to 6 cavities for a variety of accessories, which allow customers to use all possible combinations and provide maximum flexibility.

Available voltages for OF (Auxiliary contact) and SD (Trip alarm contact):

- AC 240 V max

Available voltages for MN (UV) and MX (Shunt release):

- AC 110 V, 240 V, 415 V
- DC 24 V, 48 V, only for MX (Shunt release)

Frame	Poles	Internal Accessories	Maximum available cavity (nos)
GoPact MCCB 125	3P	MN/MX	1 (Left)
	4P	MN/MX	1 (Left)
	3P/4P	OF	1 (Right)
		SD	1 (Right)
GoPact MCCB 200	3P/4P	MN/MX	1 (Right)
		OF	1 (Left)
		SD	1 (Left)
GoPact MCCB 250	3P/4P	MN/MX	1 (Right)
		OF	2 (Left)
		SD	1 (Right)
GoPact MCCB 400	3P/4P	MN/MX	2 (Right)
		OF	3 (Left)
		SD	1 (Left)
GoPact MCCB 800	3P/4P	MN/MX	2 (Right)
		OF	3 (Left)
		SD	1 (Left)

- MN - UV Release
- MX - Shunt Release
- OF - Auxiliary Contact
- SD - Trip Alarm Contact

Shunt trip release (MX)

The MX release opens the circuit breaker via an impulse-type (≥ 25 ms) or maintained order.

Opening conditions

When the MX release is supplied, it automatically opens the circuit breaker. Ensures the opening of the circuit breaker when voltage $U \geq 0.7 \times U_n$.

GoPact MCCB 125

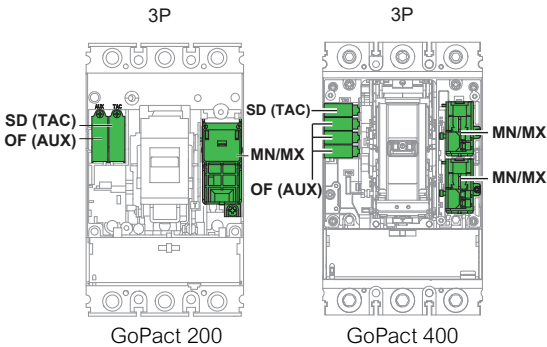
Shunt trip response voltage	Pickup (circuit breaker tripped) U_s	0.7 to 1.1 U_n
Power consumption in (short time) at (W/VA):	110 - 415 V AC, 50/60 Hz	5

GoPact MCCB 200 and GoPact MCCB 250

Shunt trip response voltage	Pickup (circuit breaker tripped) U_s	0.7 to 1.1 U_n
Power consumption in (short time) at (W/VA):	24 V DC	5
	48 V DC	5
	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	5
	415 V AC, 50/60 Hz	5

GoPact MCCB 400 and GoPact MCCB 800

Shunt trip response voltage	Pickup (circuit breaker tripped) U_s	0.7 to 1.1 U_n
Power consumption in (short time) at (W/VA)	24 V DC	5
	48 V DC	5
	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	5
	415 V AC, 50/60 Hz	5



Functions and Characteristics

Accessories and Auxiliaries

Overview

Voltage release (MN)

The MN release opens the circuit breaker when its supply voltage drops to a value below 35% of its rated voltage U_n .

Undervoltage tripping, combined with an emergency-off button, provides secure tripping. The MN release is continuously supplied, unless the supply is interrupted:

- Either voluntarily, by the emergency-off button
- Or accidentally, through loss of power or incorrect wiring.

The release provokes opening of the circuit breaker.

Opening conditions

Circuit breaker tripping by an MN release meets the requirements of standard IEC 60947-2.

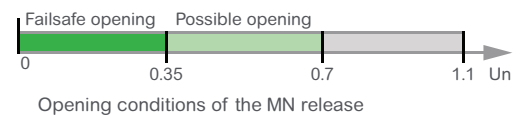
- Automatic opening of the circuit breaker is ensured when the continuous voltage supply to the release $U \leq 0.35 \times U_n$.
- If the supply voltage is between 0.35 and 0.7 U_n , the opening is possible, but not guaranteed. Above 0.7 U_n , the opening does not take place.

Closing conditions

If there is no supply to the MN release, it is impossible to close the circuit breaker, either manually or electrically. Closing is ensured when the voltage supply to the release $U \geq 0.85 \times U_n$.

Note:

Shunt / UV release come with prefitted wires. Only prefitted wires should be used for connecting the Shunt / UV Release



GoPact MCCB 125

Response voltage	Drop (circuit breaker tripped) U_s	0.35 to 0.7 U_n
	Pickup (circuit breaker may be switched on) U_s	0.85 to 1.1 U_n
Power consumption in (short time) at (W/VA):	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	5
	415 V AC, 50/60 Hz	5

GoPact MCCB 200 and GoPact MCCB 250

Response voltage	Drop (circuit breaker tripped) U_s	0.35 to 0.7 U_n
	Pickup (circuit breaker may be switched on) U_s	0.85 to 1.1 U_n
Power consumption in (short time) at (W/VA):	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	5
	415 V AC, 50/60 Hz	5

GoPact MCCB 400 and GoPact MCCB 800

Response voltage	Drop (circuit breaker tripped) U_s	0.35 to 0.7 U_n
	Pickup (circuit breaker may be switched on) U_s	0.85 to 1.1 U_n
Power consumption in (short time) at (W/VA):	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	5
	415 V AC, 50/60 Hz	5



Voltage Release MN/MX



Auxiliary contact (OF/SD)



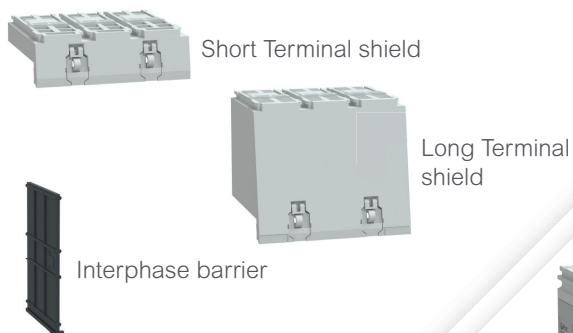
Functions and Characteristics

Accessories and Auxiliaries

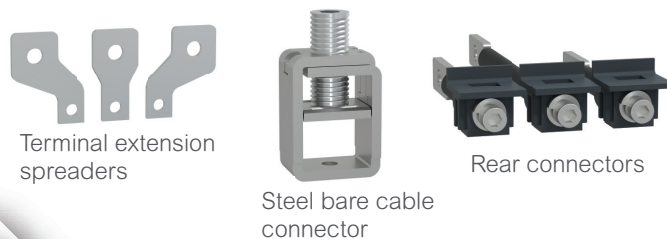
Overview

External Accessories

Insulation auxiliaries



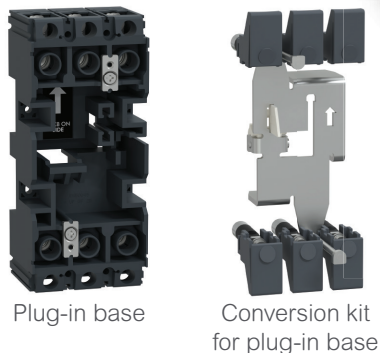
Power connection accessories



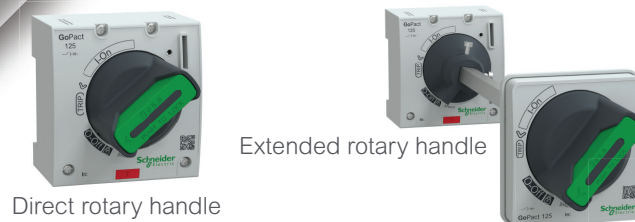
ETU test kit



Electrical auxiliaries



Control accessories



Rotary Handle

Rotary Handle for GoPact MCCB are available in both direct as well as extended versions. Padlocking is possible only with direct rotary handle or extended rotary handle.

Features:

Common for Direct and Extended Rotary handle

- Clear ON/OFF/TRIP Indication
- Adaptability to any quadrant use
- Door interlock in ON condition, with defeat facility
- Three padlocks can be used with diameter from 5 to 8 mm

Direct Rotary handle

- Direct access to trip the device through TEST button
- Ingress protection (IP) of IP20 in direct versions

Extended Rotary handle

- Access to trip the device through TEST button after door defeat.
- Adjustment of misalignment in the extended version by ± 3 mm.
- Ingress protection (IP) of IP54 in extended versions
- Door interlock in OFF condition with padlock feature

Plug-in Version GoPact MCCB 200 to 800

MCCBs with Plug-in modules are used in applications where fast replacement is required. In such cases, MCCB with plug-in base can be safely removed from the system without removing the power connections and replaced with a new MCCB.

Once MCCB is removed from the plug-in base, it offers complete isolation from the supply and helps to maintain the safety of personnel working on down-stream feeders.

Features:

- Inbuilt safety interlock that prevents plugging in/out of MCCB when it is in ON condition
- Suitable for all types of connections i.e. direct, terminal extension spreaders, steel bare cable connectors and rear connectors
- Provision for both base mounting and channel mounting
- Ingress Protection (IP):
- IP20 - MCCB plugged out condition
- IP40 - MCCB plugged in condition

Plug-in fixed part: It consists of a plug-in base which is an insulated component, which has provisions to accommodate socket assemblies, IP covers, finger shields, terminals, mounting plates and shields. All connections available on MCCBs are also available on plug-in modules.

Conversion kit

The conversion kit contains a rear plate assembly that has a safety lock mechanism. The rear plate is fastened to the rear side of MCCB by screws. The safety lock mechanism is used to prevent the movement of circuit breaker to or from the connected position when the circuit breaker is in ON condition.

The mechanism creates a physical obstacle to the insertion of MCCB which is in ON condition.

The Kit also includes:

- Plugs and Handles
- Plugs are fastened to the MCCB terminals and make electric contact with the Plug-in base terminals through socket assemblies.
- Handles/Gripper which ensures easy removal and insertion of the circuit breaker in the Plug-in base when in OFF condition.

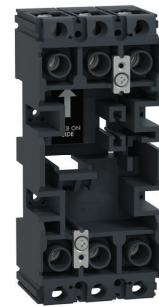
Mounting screws are used to secure the circuit breaker to the Plug-in base (not applicable for GoPact MCCB 800).

Electronic Trip Unit Test kit

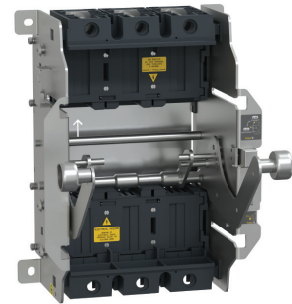
It is a AAA battery operated device to be used only with ETU breaker to test the working of the electronic trip unit and its tripping functions, i.e. Overload, Short Circuit, Neutral pole protection.

The test kit includes:

- ETU test kit remote
- 1 set of AAA batteries
- Connection wire
- Hard case for safe storage and repeatable usage of the test kit



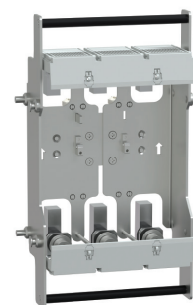
GoPact MCCB 200 - 400



GoPact MCCB 800



GoPact MCCB 200 - 400



GoPact MCCB 800



GoPact MCCB 800 ETU

> Dimensions

Dimensions

GoPact MCCB 125	D-3
GoPact MCCB 200	D-5
GoPact MCCB 250	D-7
GoPact MCCB 400	D-9
GoPact MCCB 800	D-11
Plug-in base for GoPact MCCB 200, 250 and 400	D-14
Plug-in base for GoPact MCCB 800	D-16
Rear connectors	D-18
Direct Rotary handle	D-23
Extended Rotary handle	D-24
Short and Long Terminal Shield.....	D-26
Interphase barriers.....	D-27

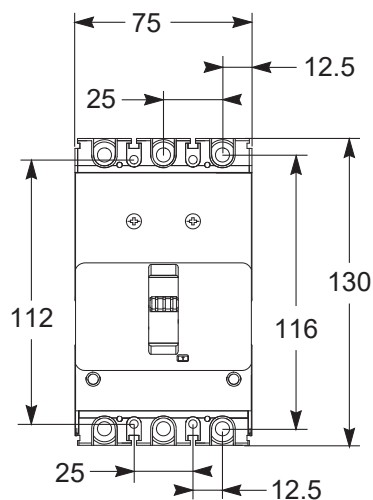
Dimensions

GoPact MCCB 125

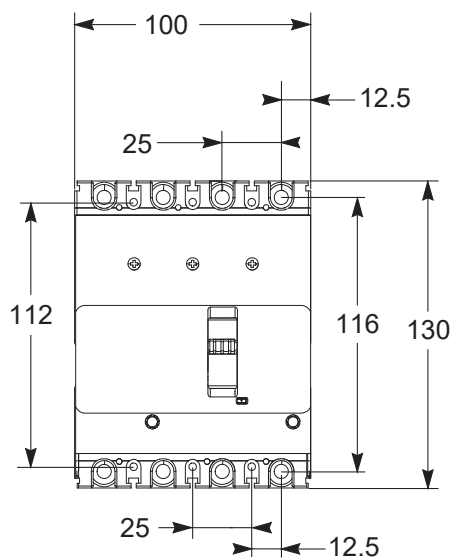
MCCB and Terminal extension spreaders

MCCB

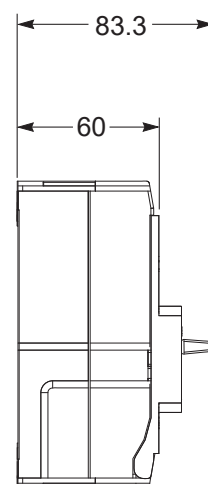
3 Pole



4 Pole

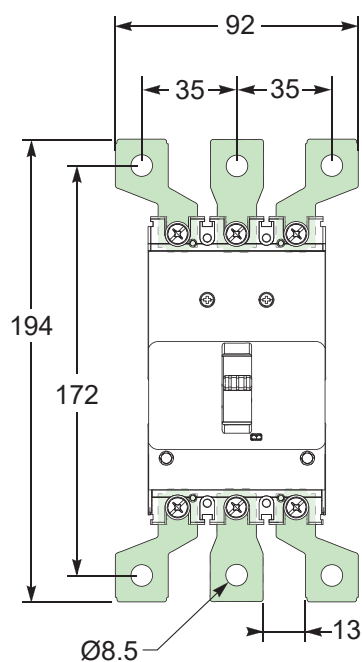


3 Pole/4 Pole

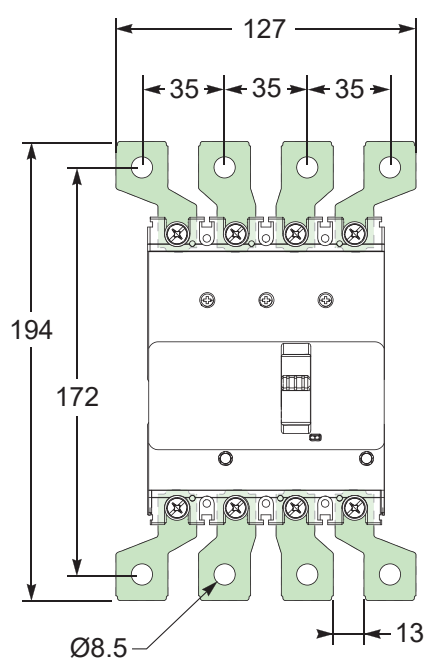


Terminal extension spreaders

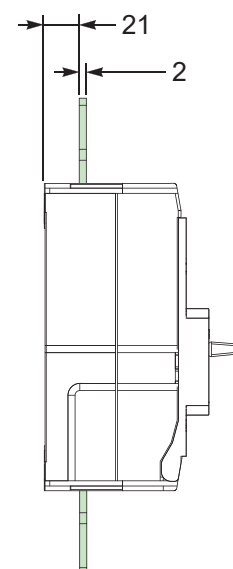
3 Pole



4 Pole



3 Pole/4 Pole

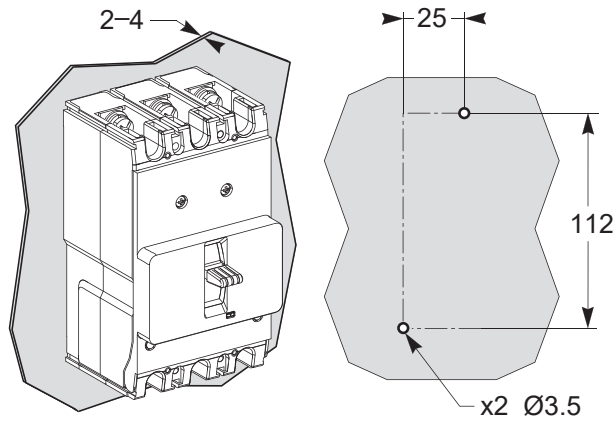


GoPact MCCB 125

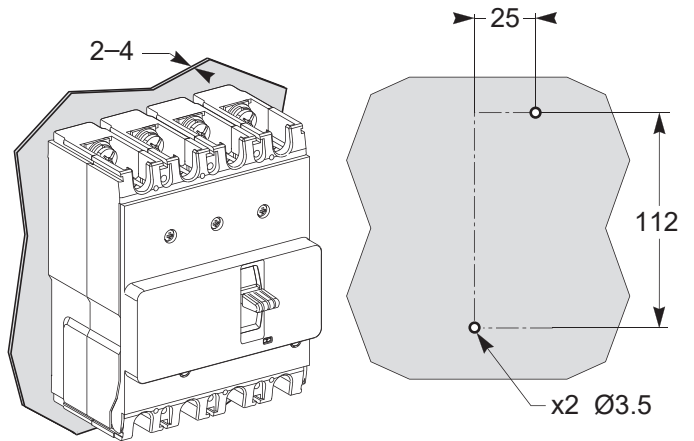
Mounting holes and Front-panel cutouts

Mounting holes

3 Pole



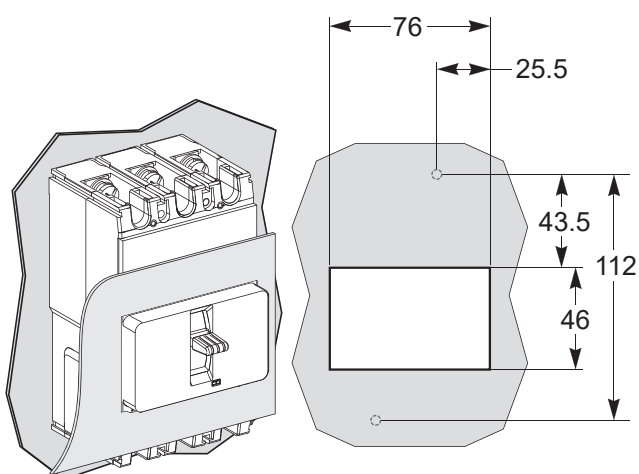
4 Pole



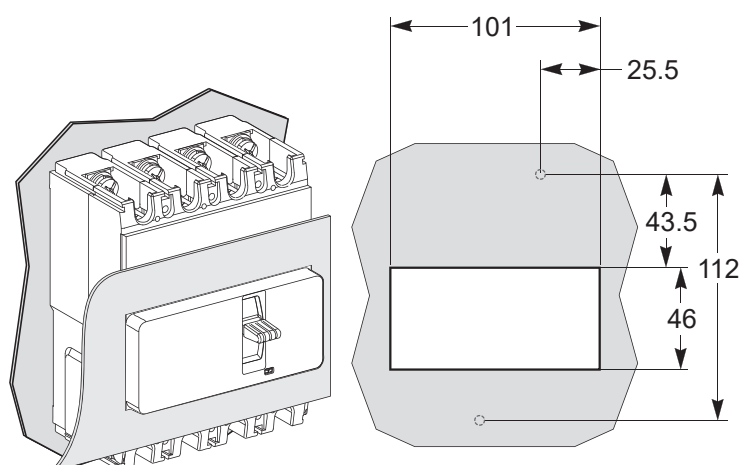
D

Front-panel cutouts

3 Pole



4 Pole

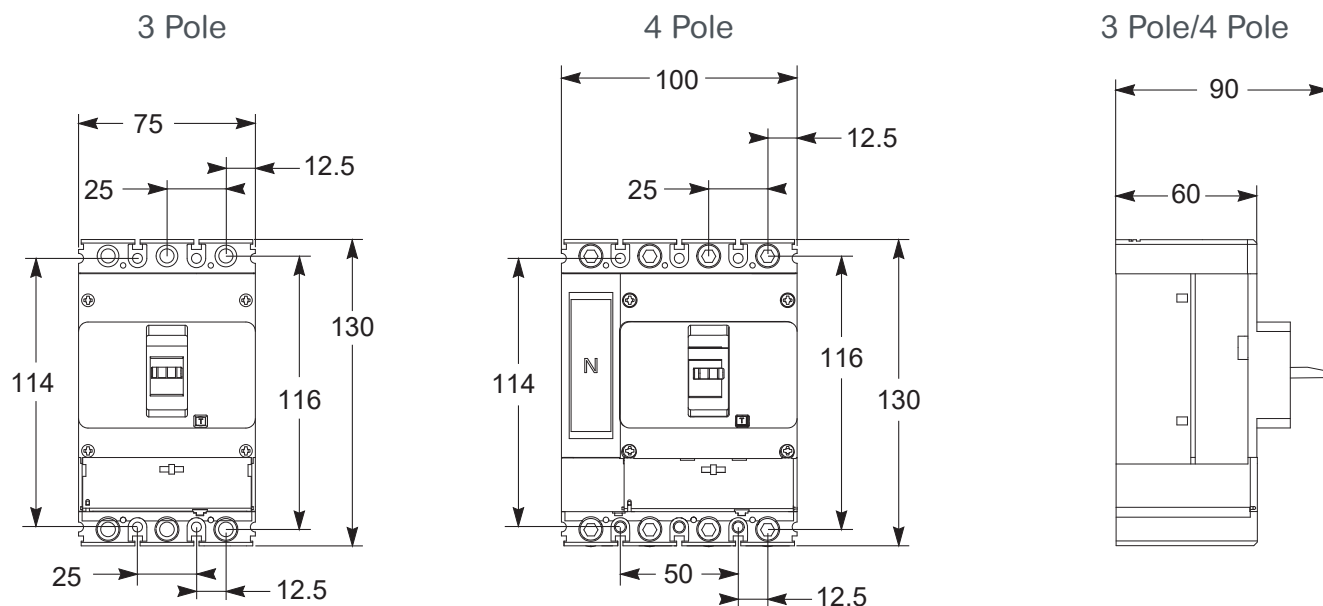


Dimensions

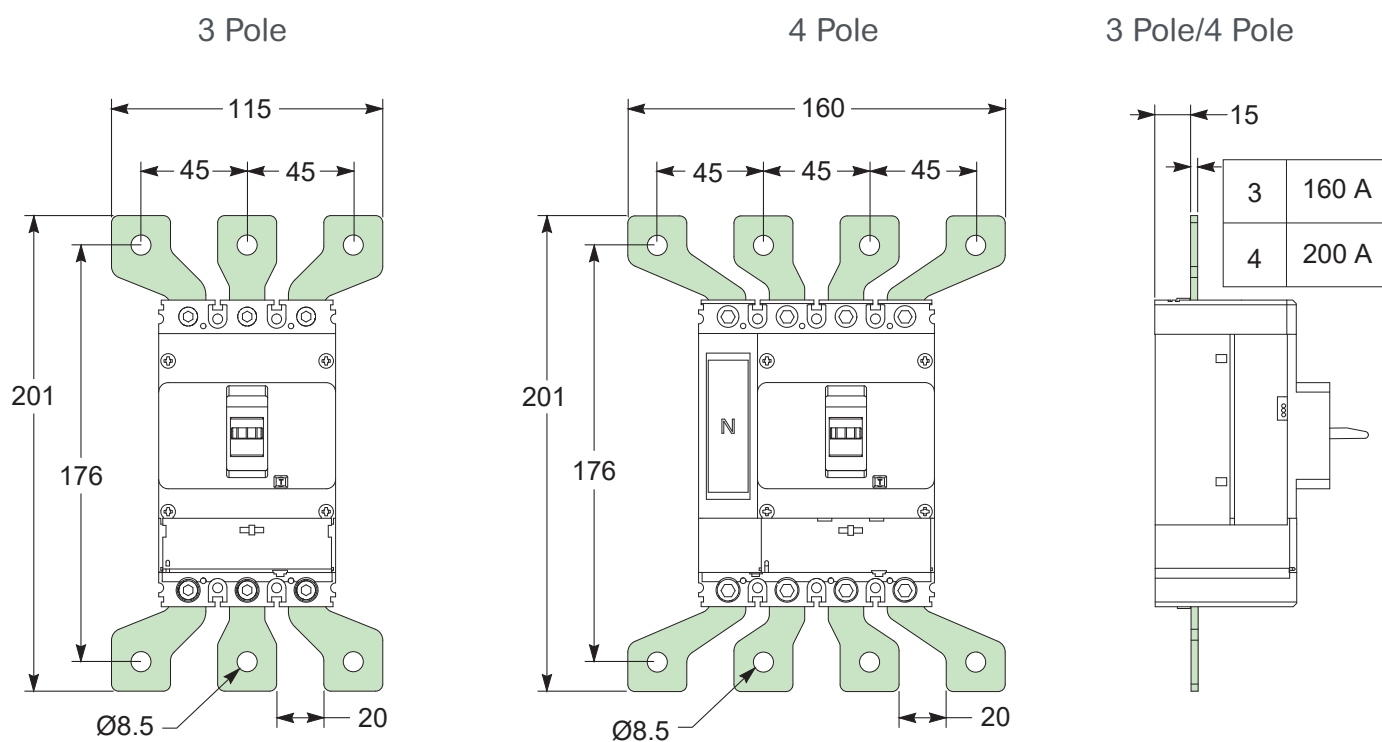
GoPact MCCB 200

MCCB and Terminal extension spreaders

MCCB



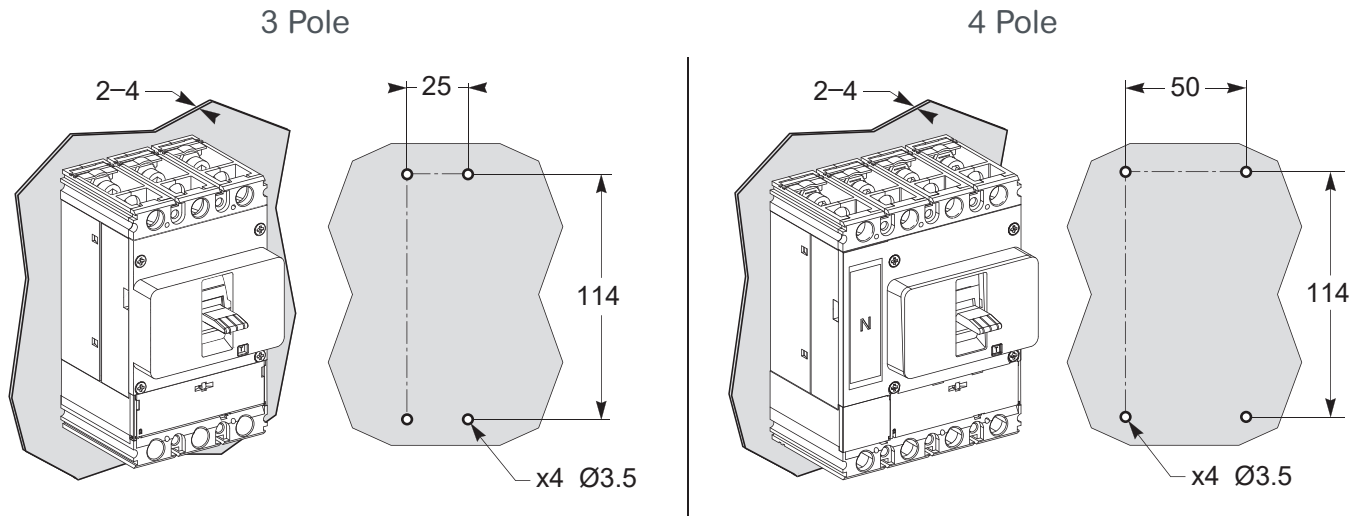
Terminal extension spreaders



GoPact MCCB 200

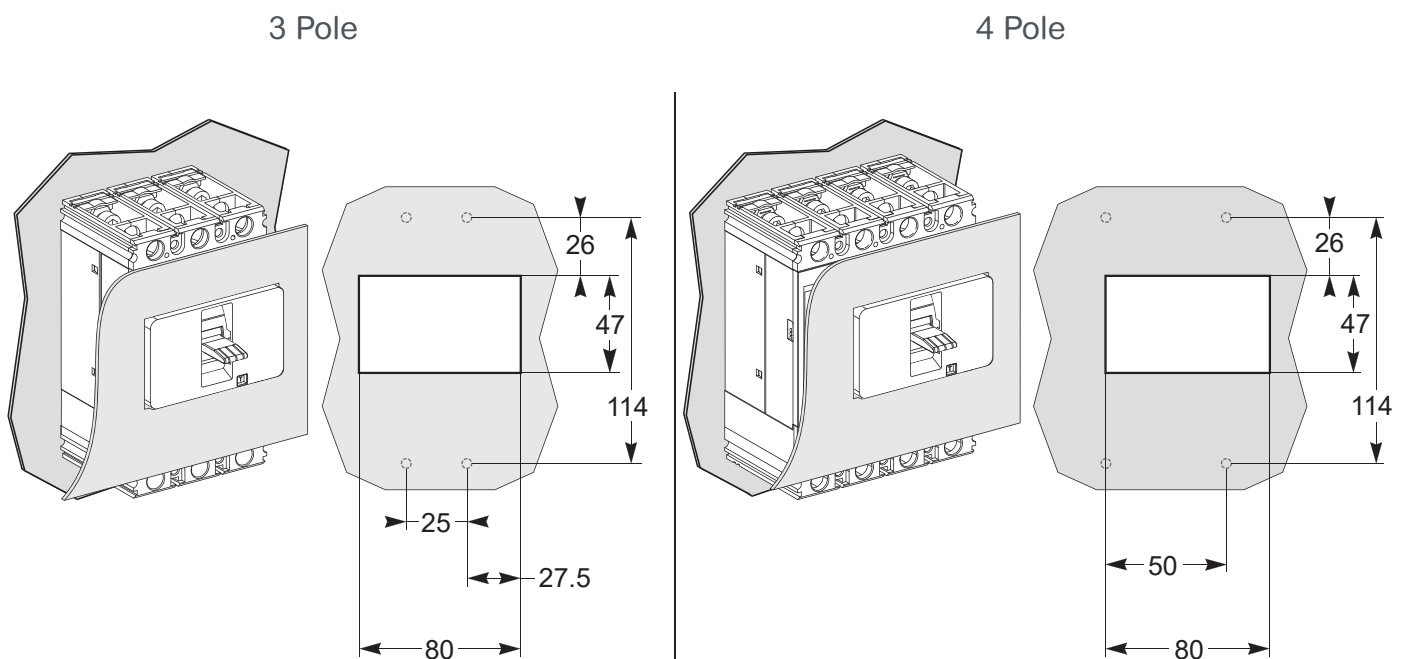
Mounting holes and Front-panel cutouts

Mounting holes



D

Front-panel cutouts

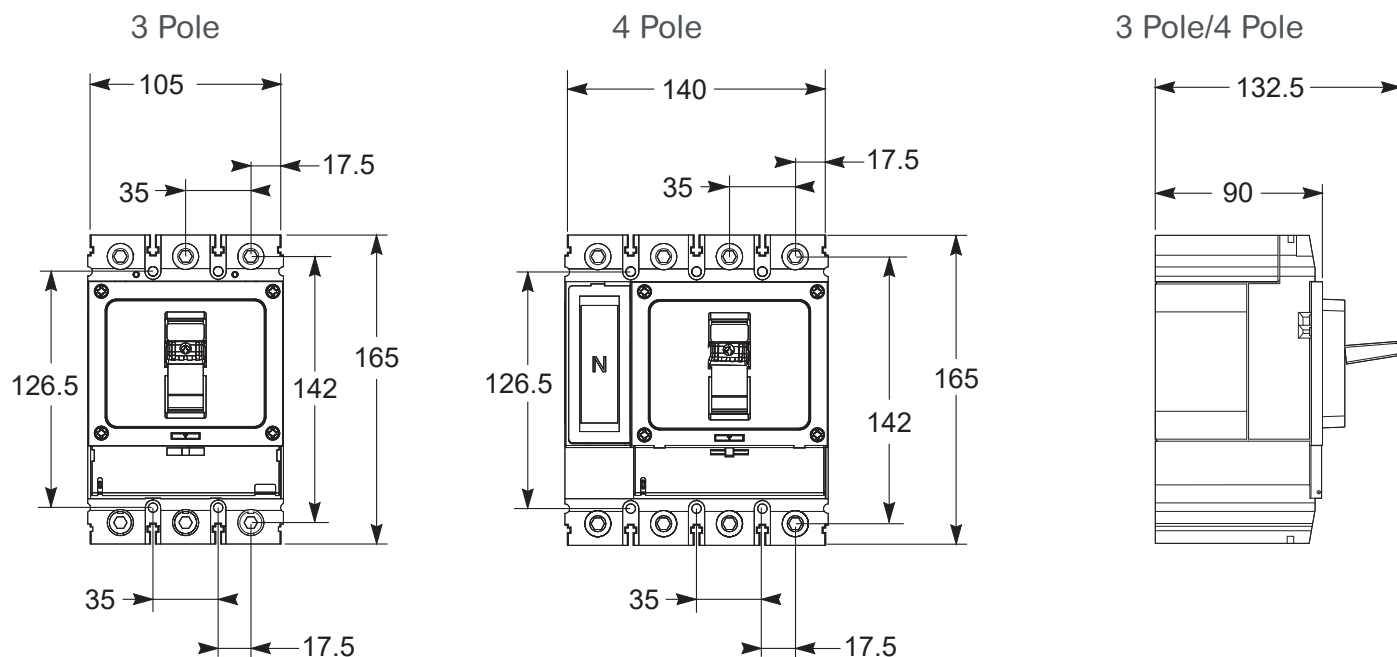


Dimensions

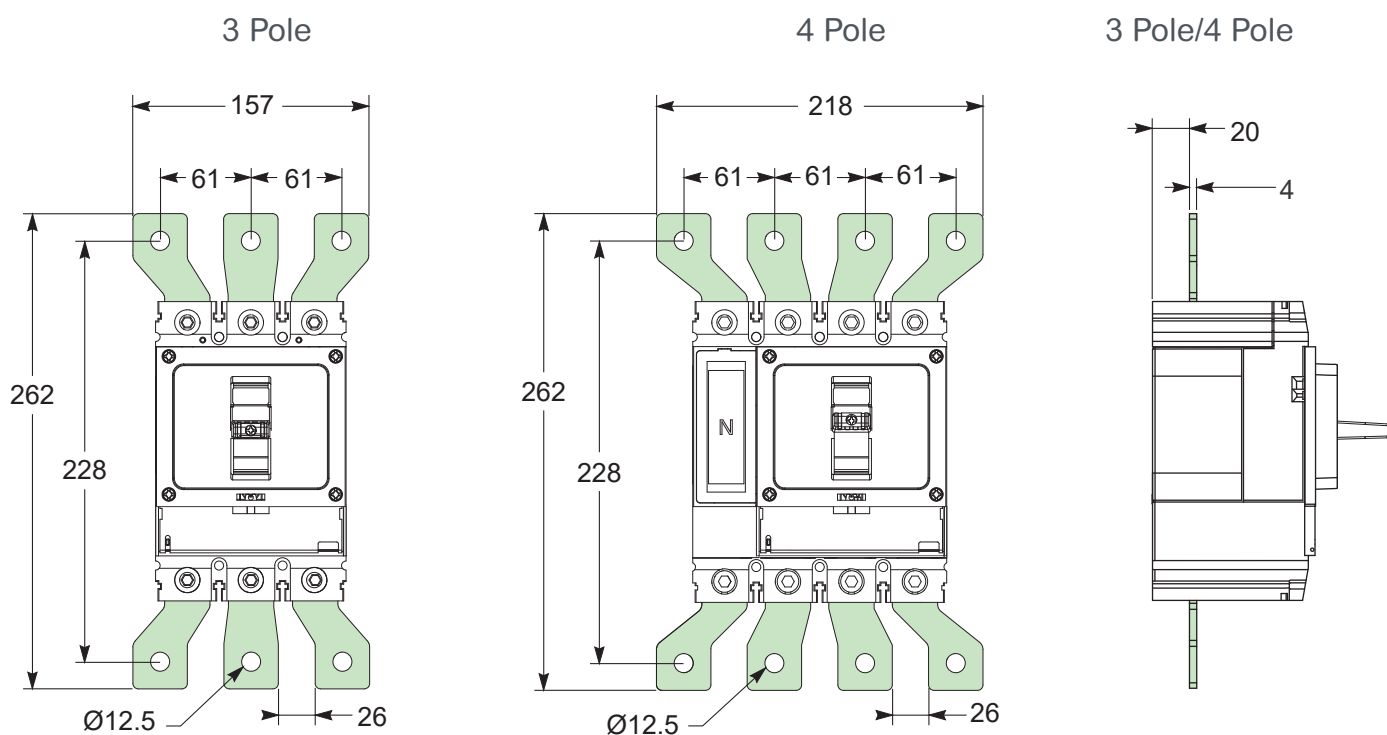
GoPact MCCB 250

MCCB and Terminal extension spreaders

MCCB



Terminal extension spreaders

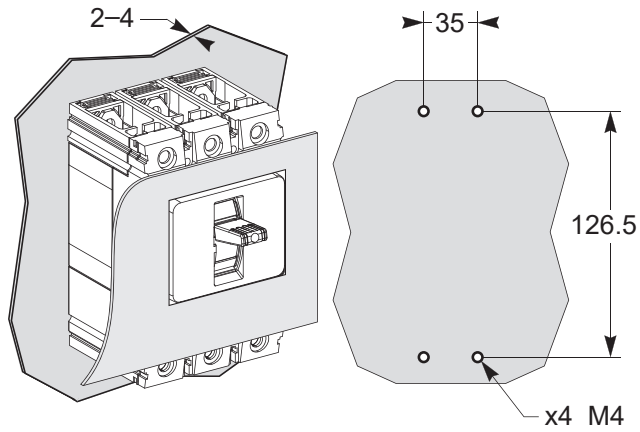


GoPact MCCB 250

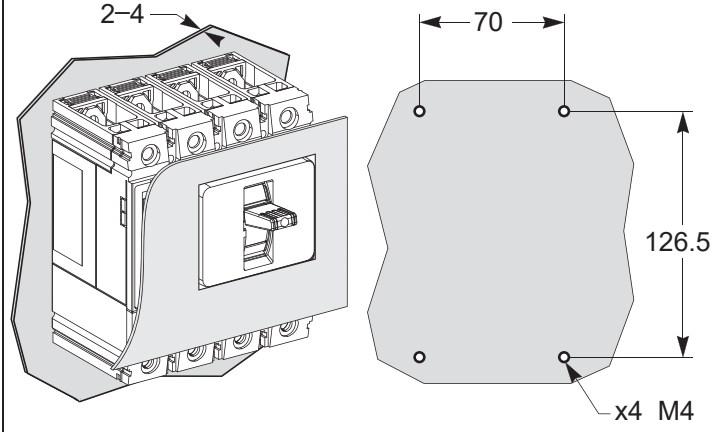
Mounting holes and Front-panel cutouts

Mounting holes

3 Pole



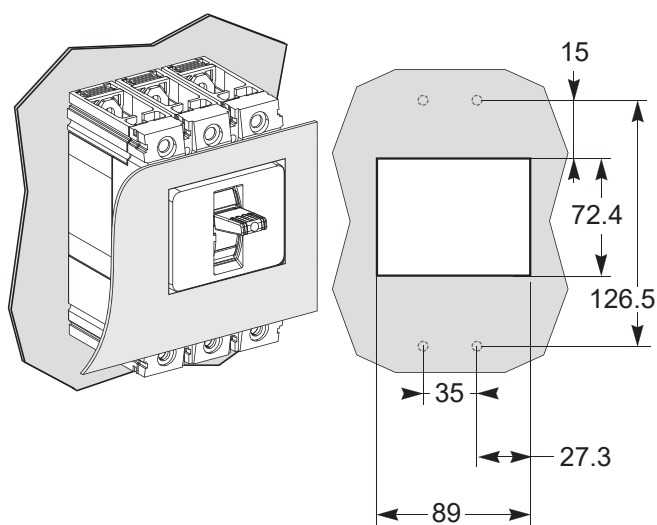
4 Pole



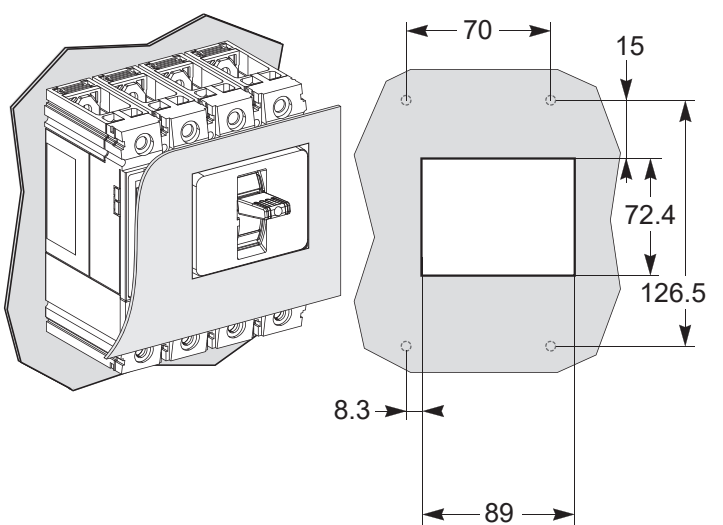
D

Front-panel cutouts

3 Pole



4 Pole

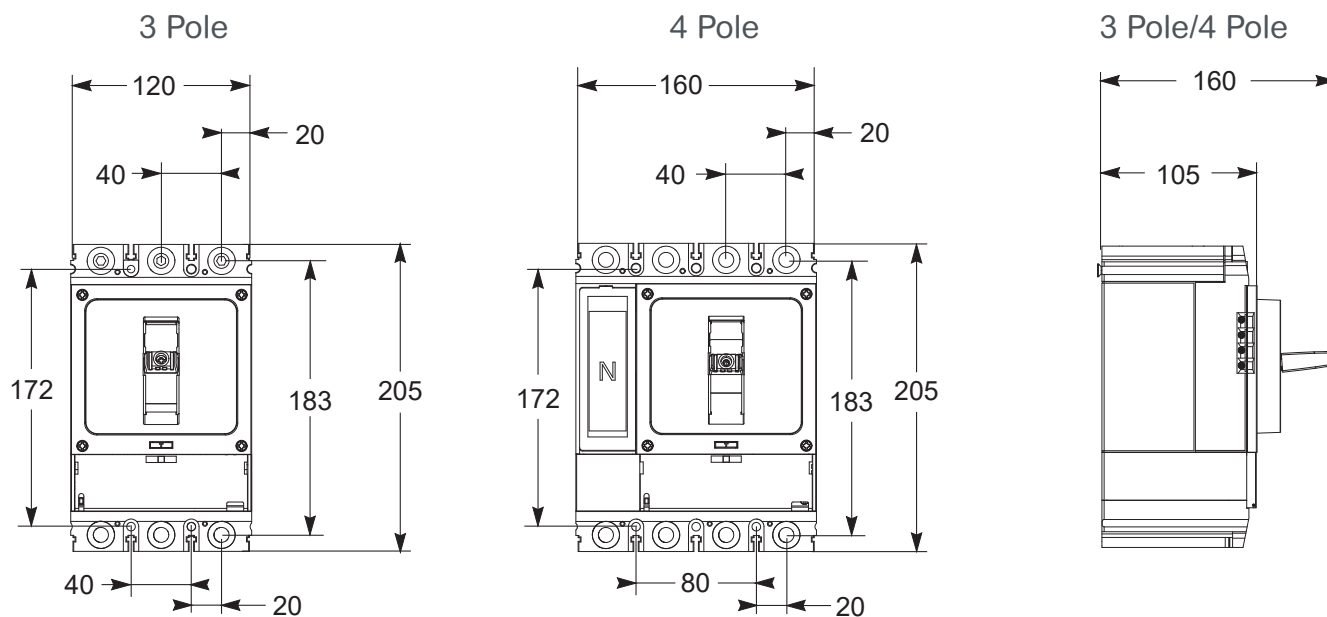


Dimensions

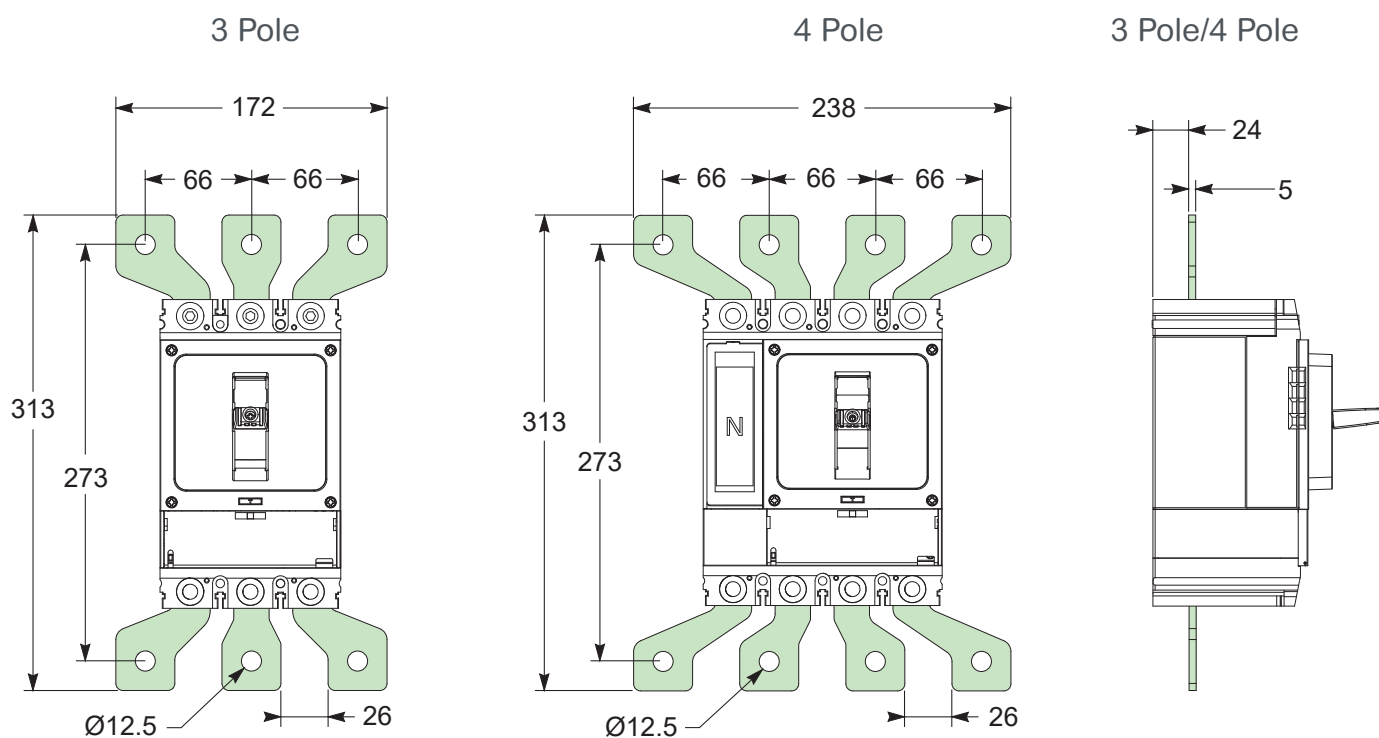
GoPact MCCB 400

MCCB and Terminal extension spreaders

MCCB



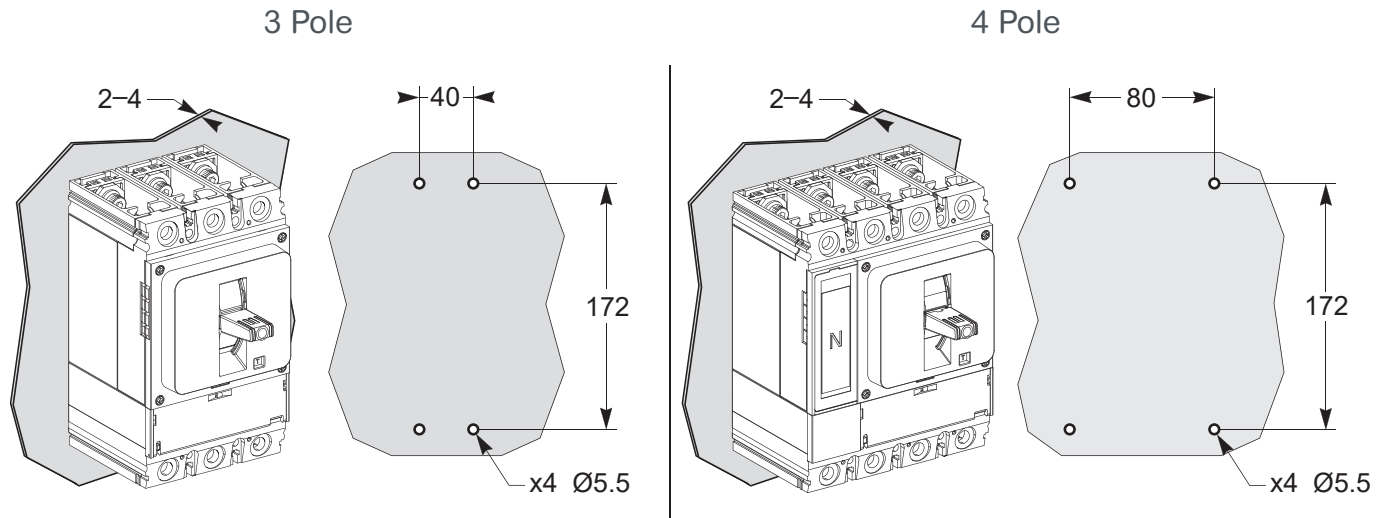
Terminal extension spreaders



GoPact MCCB 400

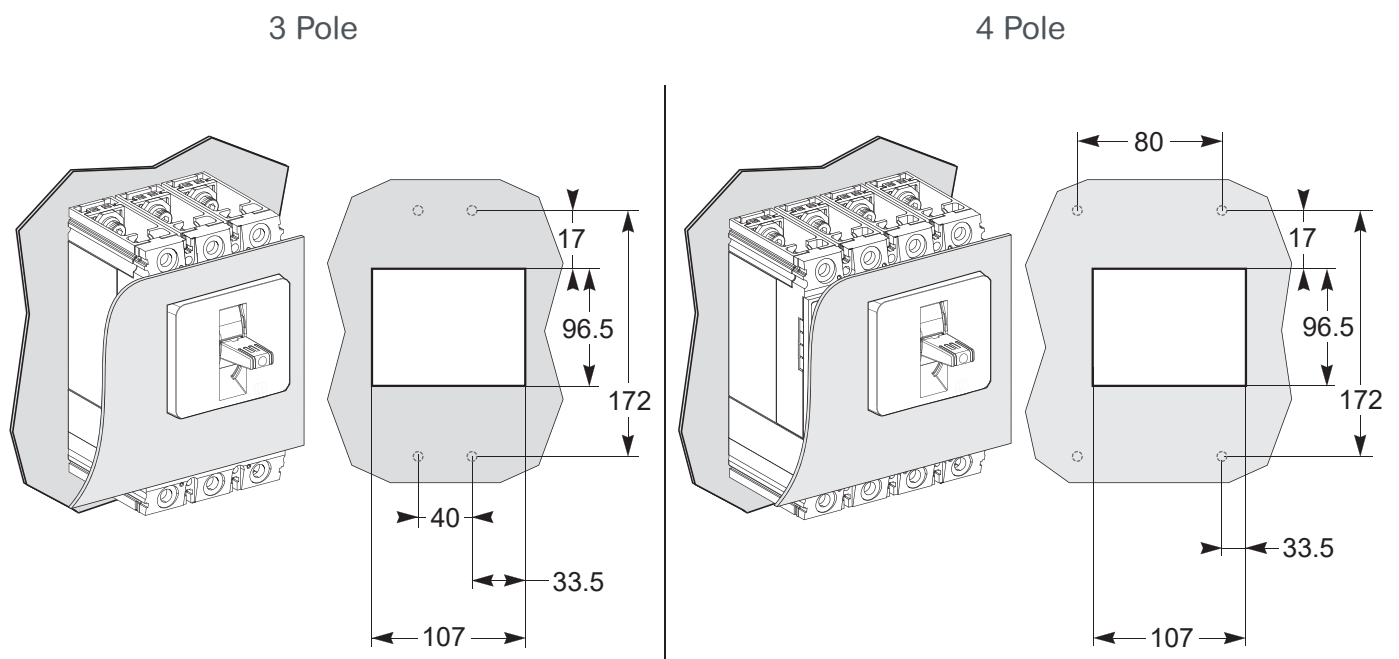
Mounting holes and Front-panel cutouts

Mounting holes



D

Front-panel cutouts

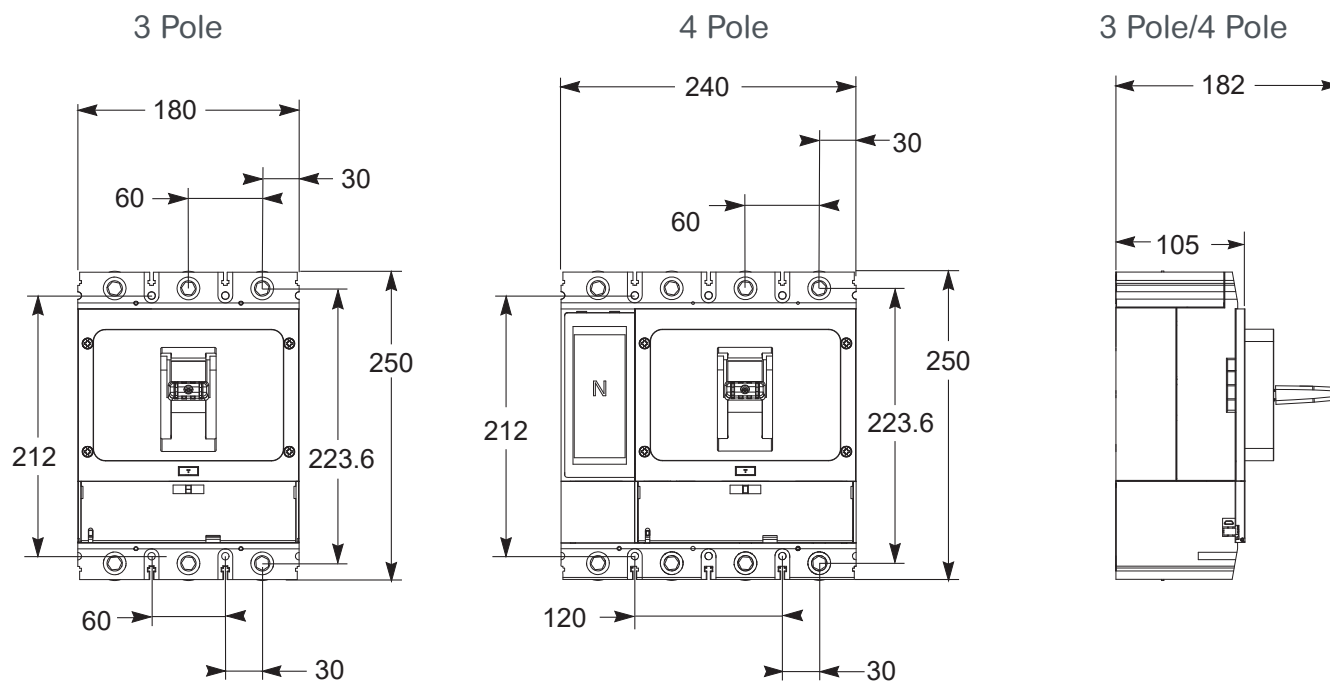


Dimensions

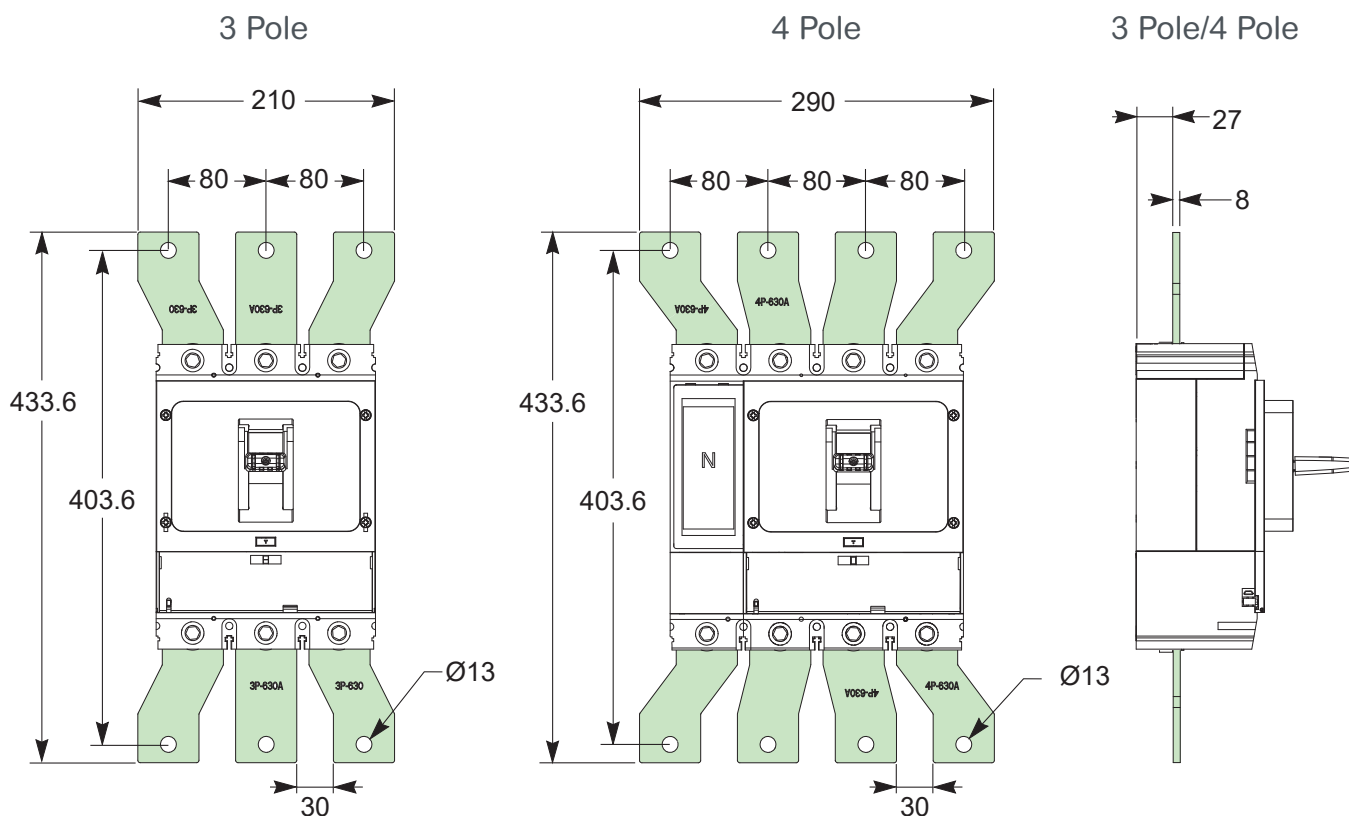
GoPact MCCB 800

MCCB and Terminal extension spreaders

MCCB



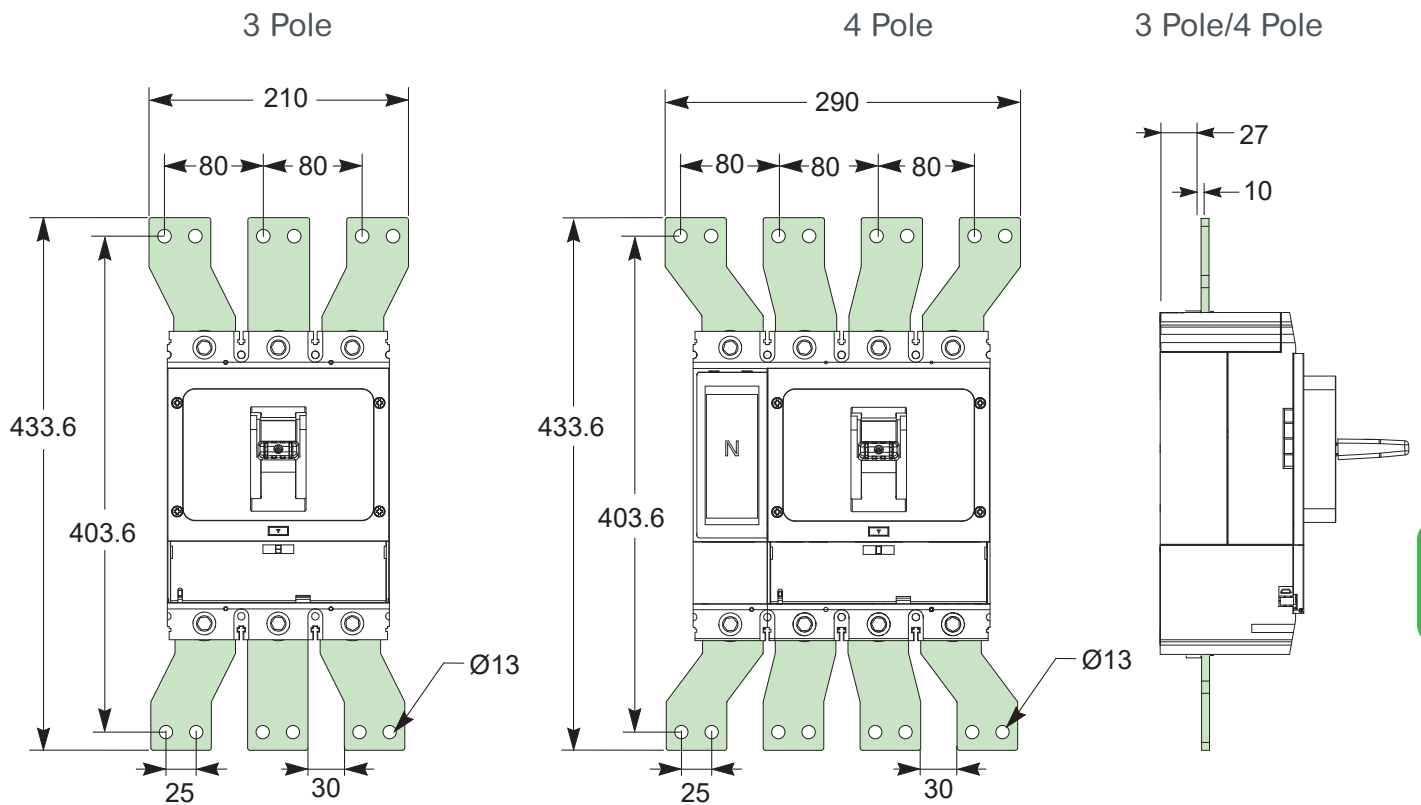
Terminal extension spreaders (500 - 630 A)



GoPact MCCB 800

Terminal extension spreaders

Terminal extension spreaders (800 A)



D

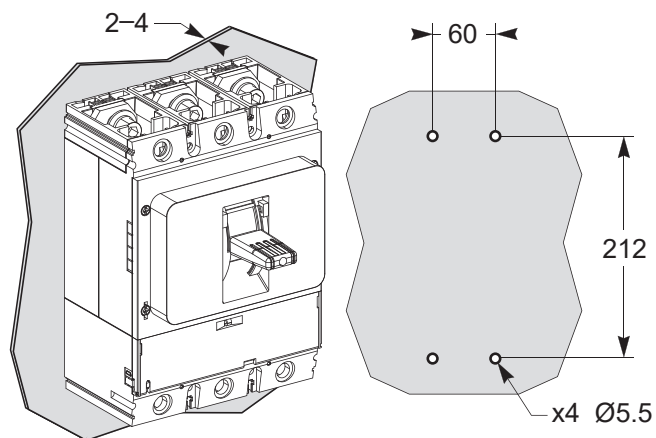
Dimensions

GoPact MCCB 800

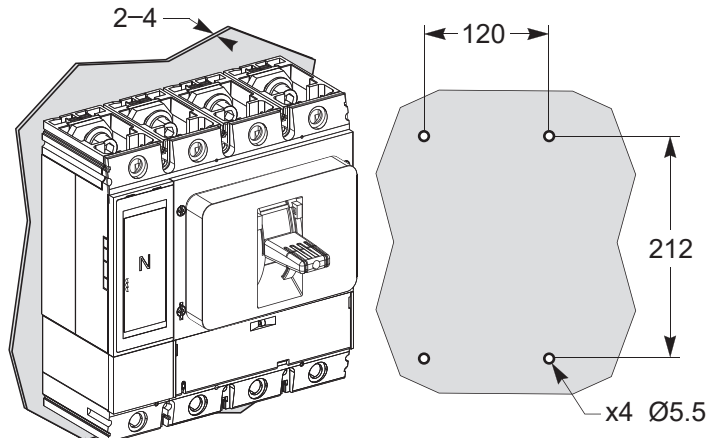
Mounting holes and Front-panel cutouts

Mounting holes

3 Pole

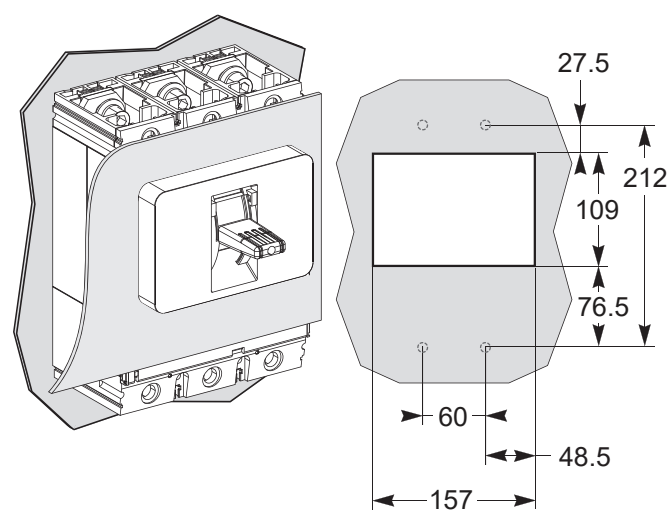


4 Pole

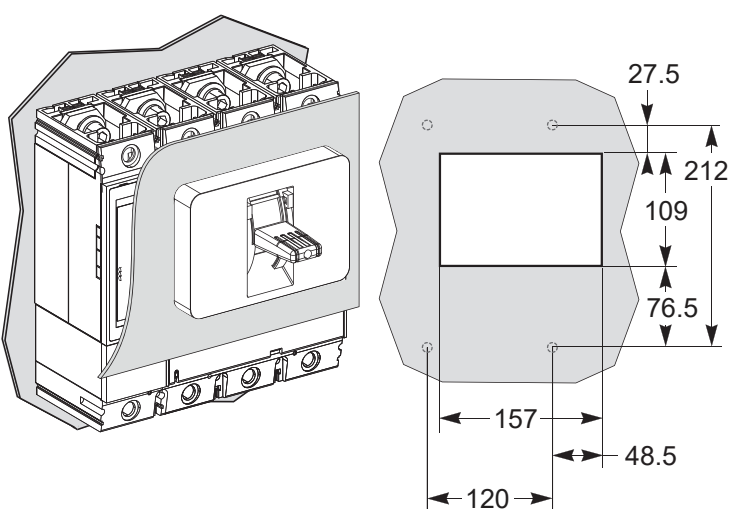


Front-panel cutouts

3 Pole



4 Pole

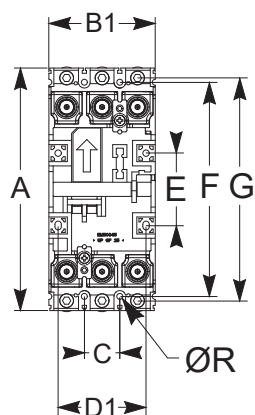


Plug-in base for GoPact MCCB 200, 250 and 400

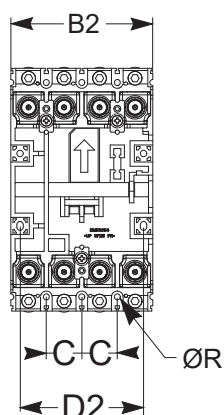
Plug-in base and Terminal extension spreaders

Plug-in base

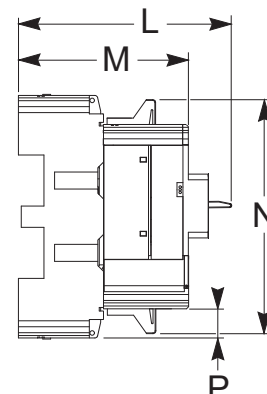
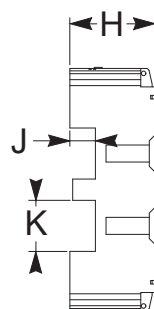
3 Pole



4 Pole



3 Pole/4 Pole

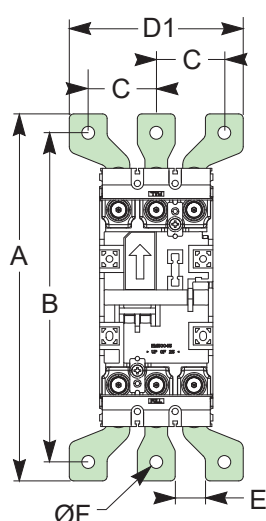


mm	A	B1	B2	C	D1	D2	E	F	G	H	J	K	L	M	N	P	R
GoPact MCCB 200	171	75	100	25	62	87	51	151	157	60	18	36	150	120	166	20.5	4
GoPact MCCB 250	220	105	140	35	87	122	51	181	197	70	20	36	202.5	160	201	27.5	4.5
GoPact MCCB 400	282	120	160	-	98	138	88	-	260	100	-	-	210	155	212	38.5	5.5

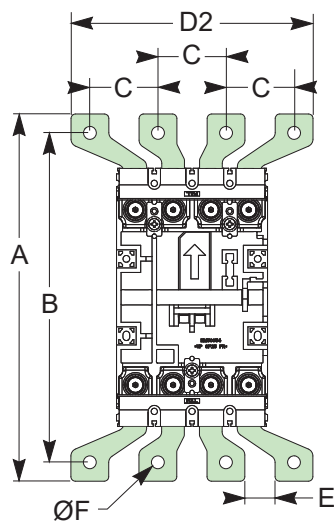
D

Terminal extension spreaders

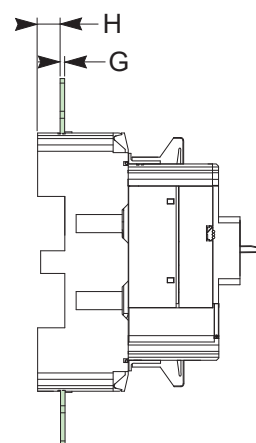
3 Pole



4 Pole



3 Pole/4 Pole



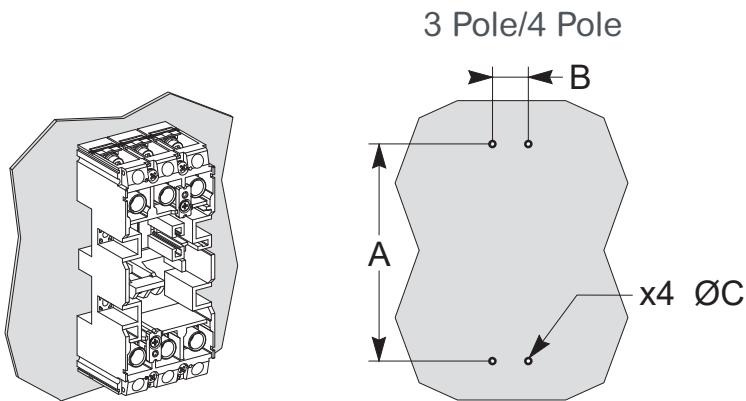
mm	A	B	C	D1	D2	E	F	G	H
GoPact MCCB 200	242.6	217.6	45	115	160	26	8.5	3 (160 A)	23
GoPact MCCB 250	317	287	61	157	218	26	12.5	4	20
GoPact MCCB 400	386	346	66	172	238	26	12.5	5	24

Dimensions

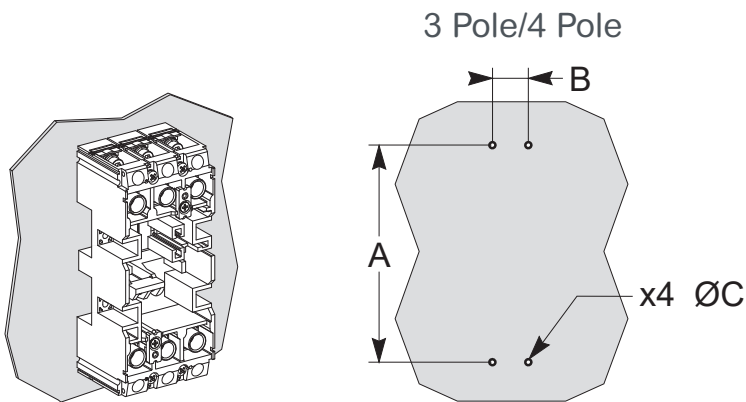
Plug-in base for GoPact MCCB 200, 250 and 400

Mounting on Plate and Channel

Mounting on Plate

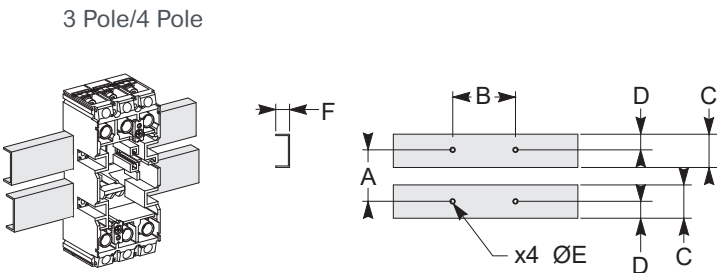


mm	A	B		C
		3P	4P	
GoPact MCCB 200	151	25	50	4
GoPact MCCB 250	181	35	70	4.5



mm	A	B		C
		3P	4P	
GoPact MCCB 400	88	98	138	5.5

Mounting on Channel

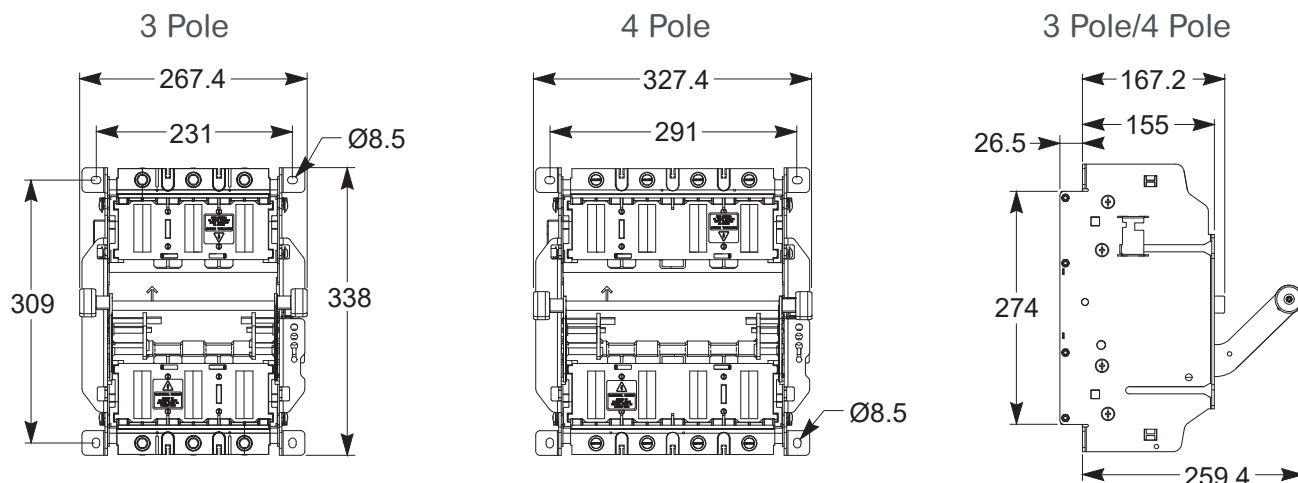


mm	A	B		C	D	E	F
		3P	4P				
GoPact MCCB 200	51	62	87	35	17.5	4.5	≤ 15
GoPact MCCB 250	51	87	122	35	17.5	4.5	≤ 15

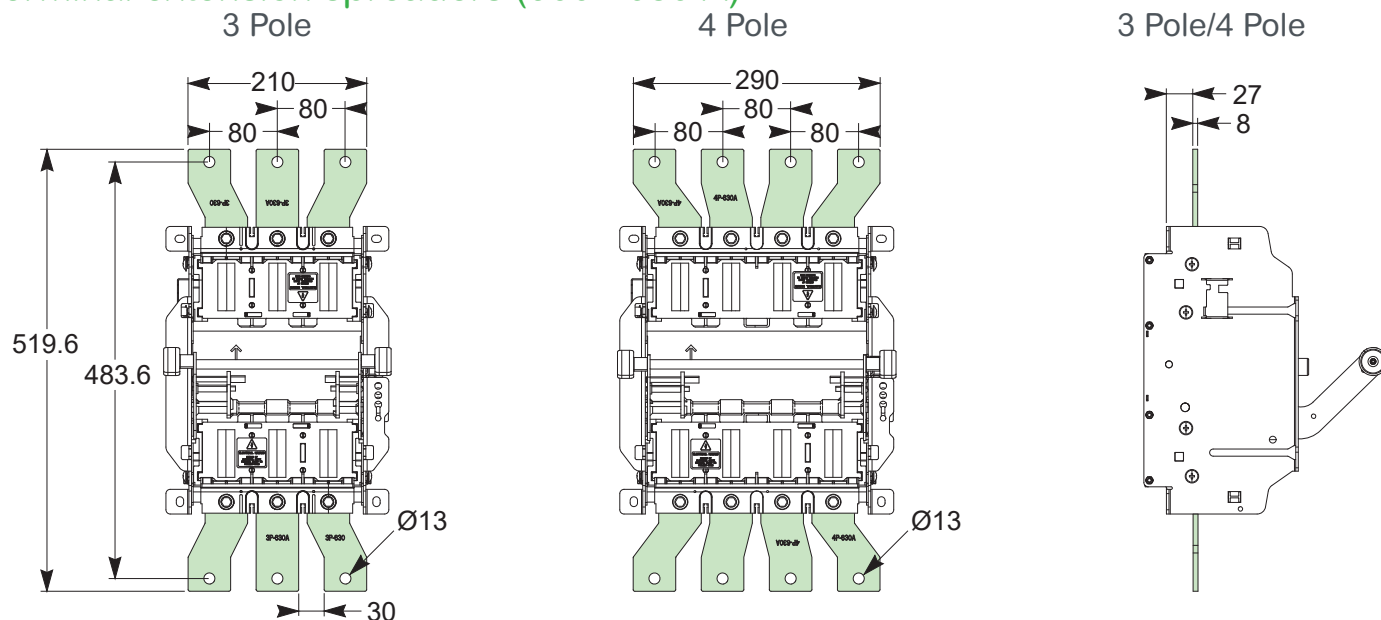
Plug-in base for GoPact MCCB 800

Plug-in base and Terminal extension spreaders

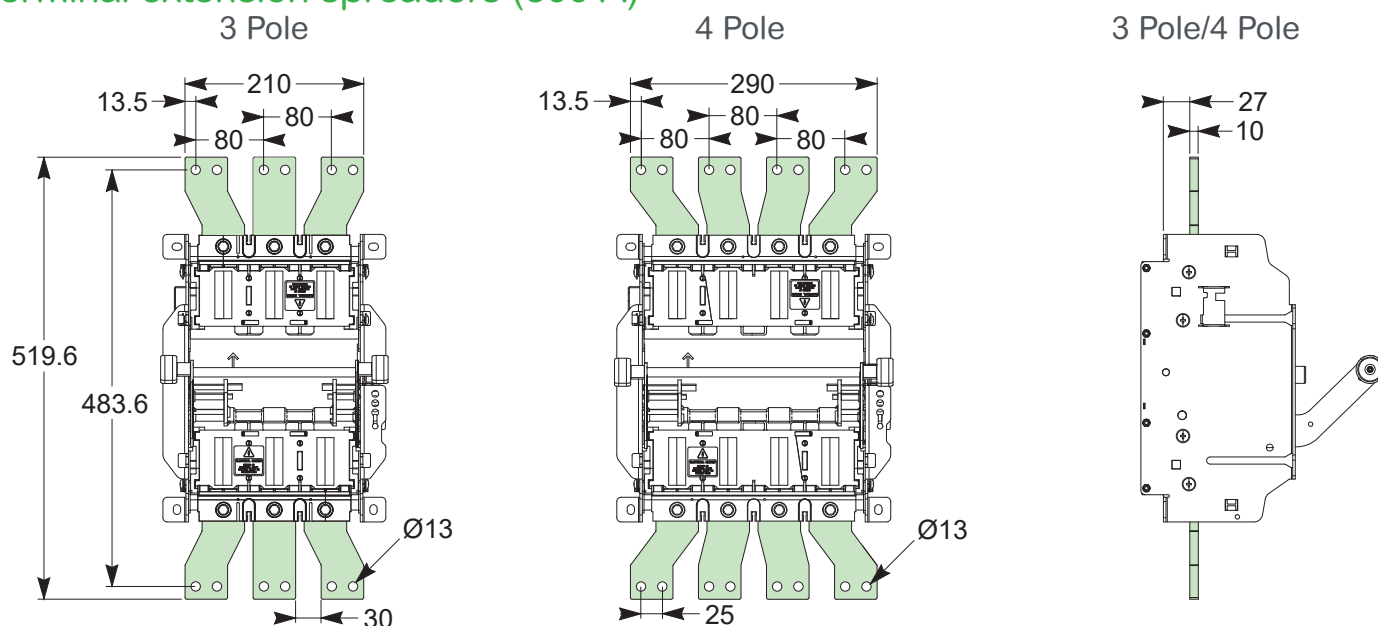
Plug-in base



Terminal extension spreaders (500 - 630 A)



Terminal extension spreaders (800 A)



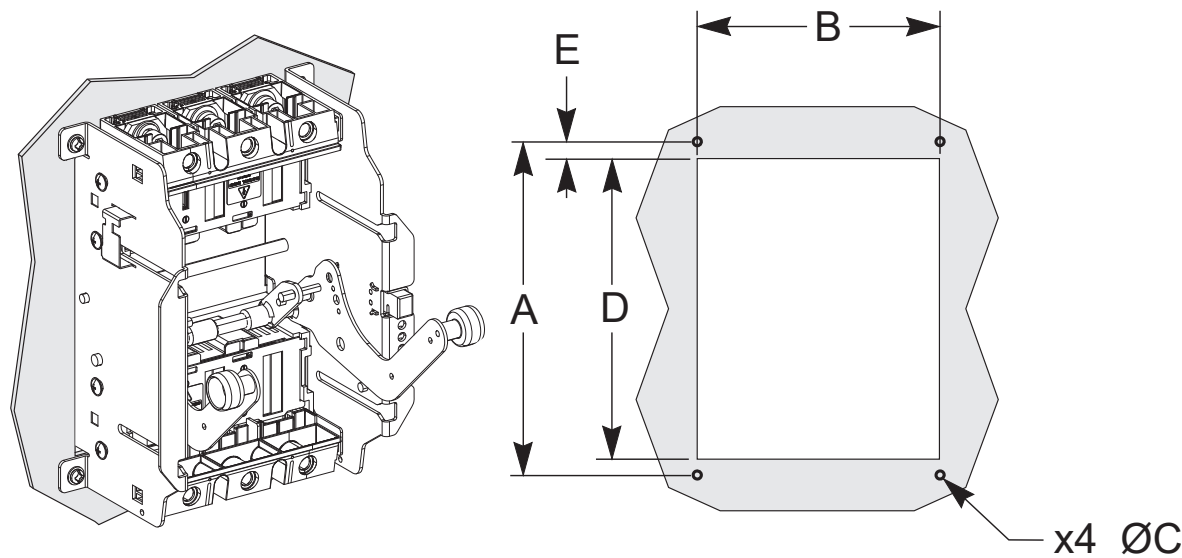
Dimensions

Plug-in base GoPact MCCB 800

Mounting on plate and Plug-in base positions

Mounting on Plate

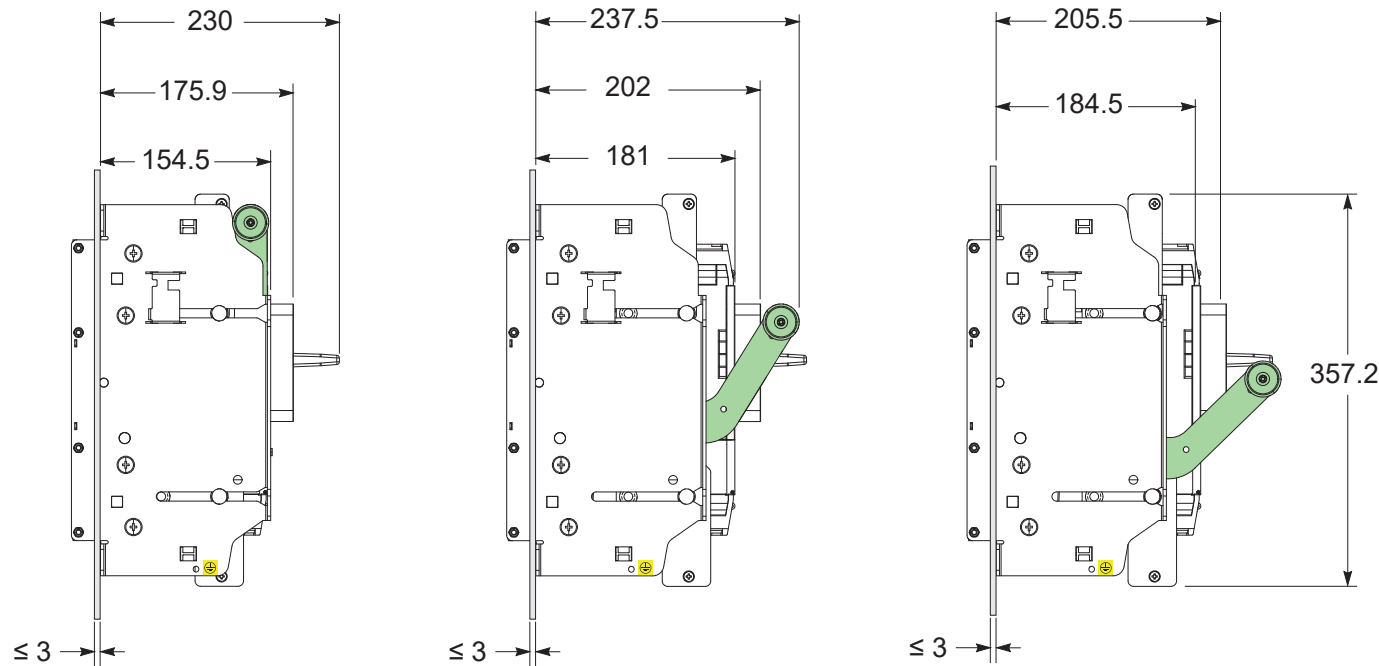
3 Pole/4 Pole



mm	A	B		C	D	E
		3P	4P			
GoPact MCCB 800	309	231	291	10	276	16.5

Plug-in base positions

3 Pole/4 Pole



Connected Position

Disconnected Position

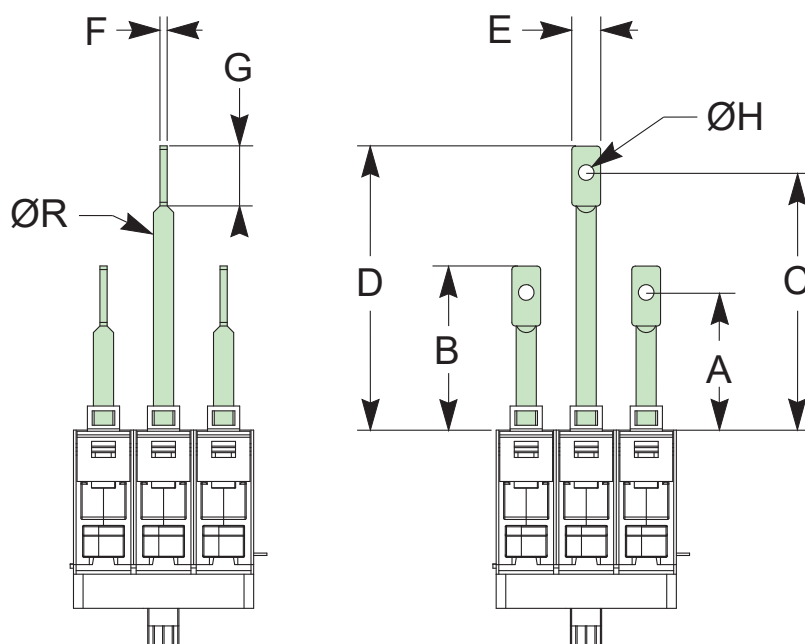
Take-Away Position

Rear connectors

GoPact MCCB and Plug-in base

GoPact MCCB and Plug-in base

3 Pole/4 Pole



mm	A	B	C	D	E	F	G	R	H
GoPact MCCB 200	57.3	68.3	107.3	118.3	12	3	25	9.5	6.5
GoPact MCCB 250	44.6	55.6	94.6	105.6	18	6	25	13	9
GoPact MCCB 400	56	76	106	126	20	6	45	18	11
GoPact MCCB 800	64	89	114	139	30	10	55	22	12.5

D

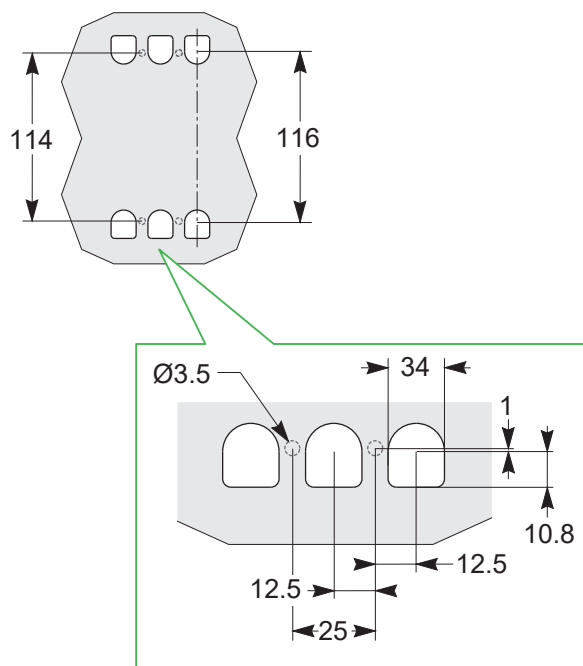
Dimensions

Rear connectors

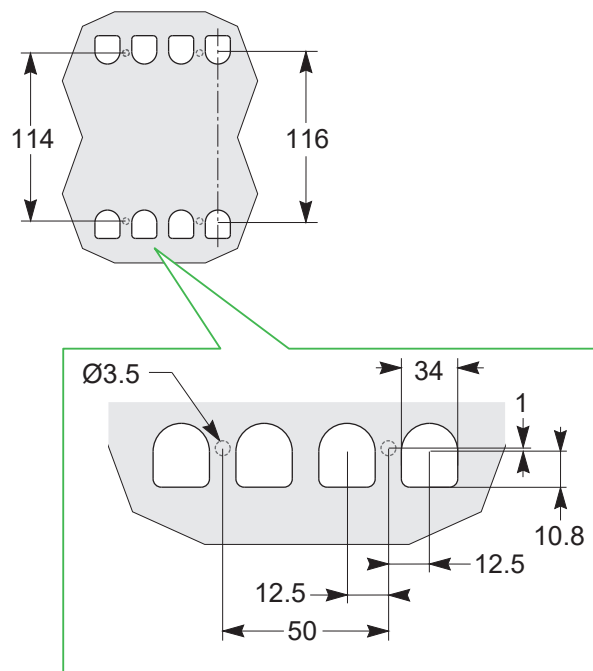
Mounting plate cutouts

GoPact MCCB 200

3 Pole

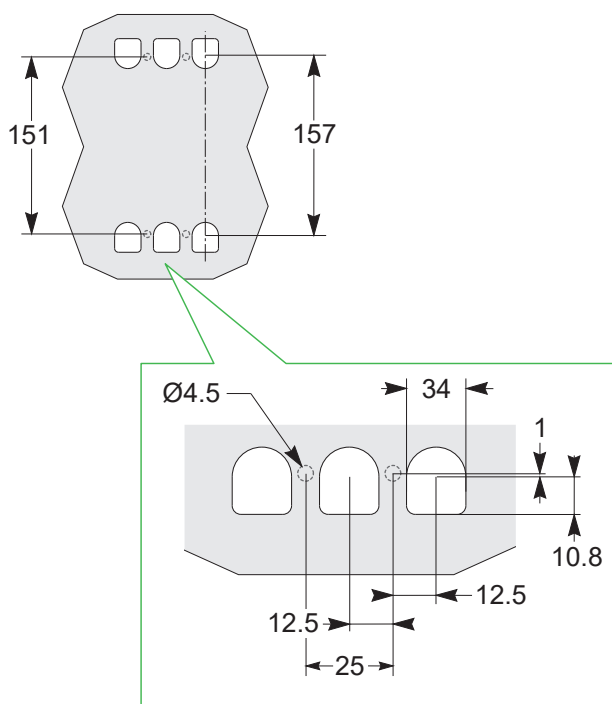


4 Pole

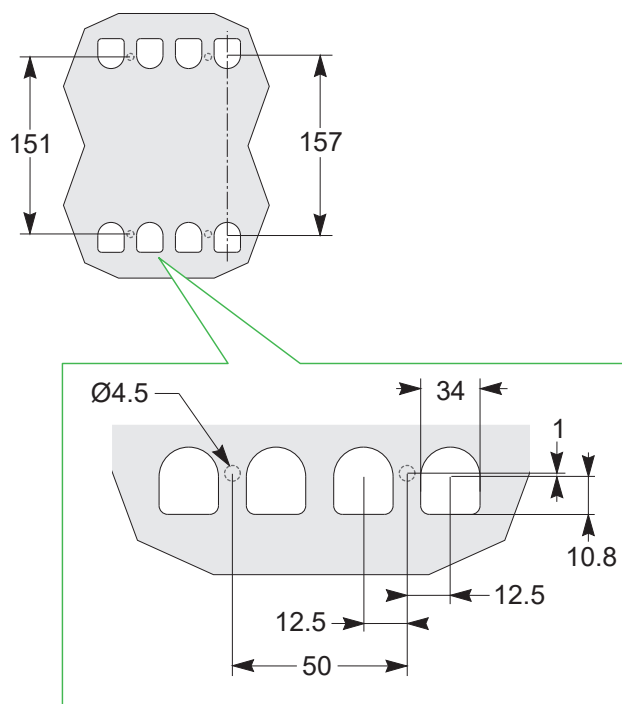


GoPact MCCB 200 Plug-in base

3 Pole



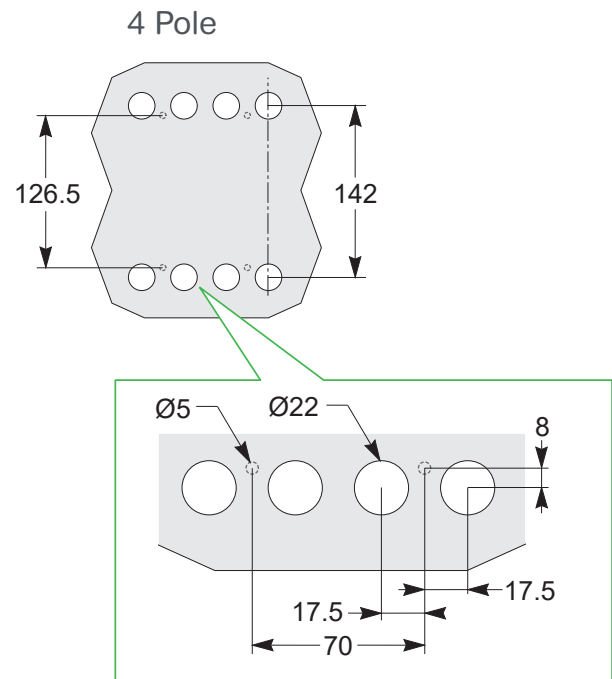
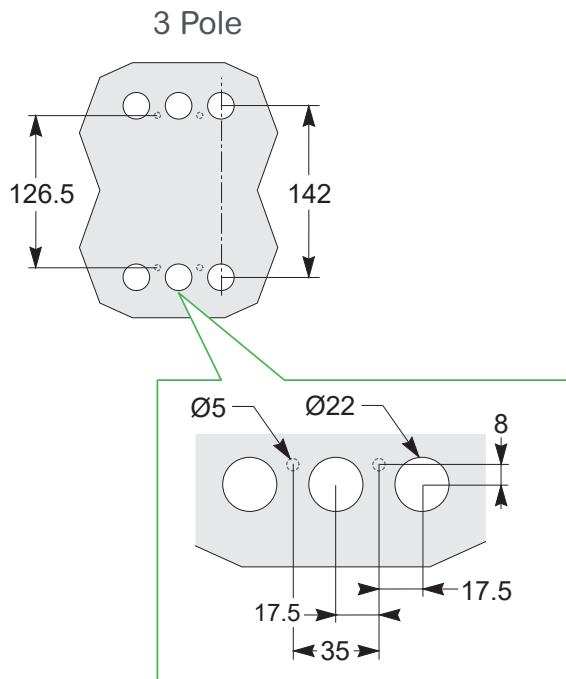
4 Pole



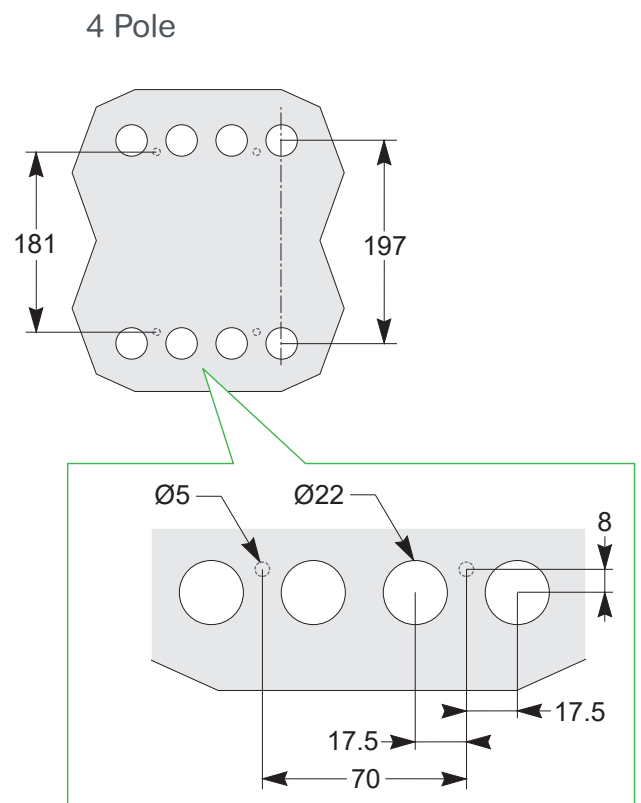
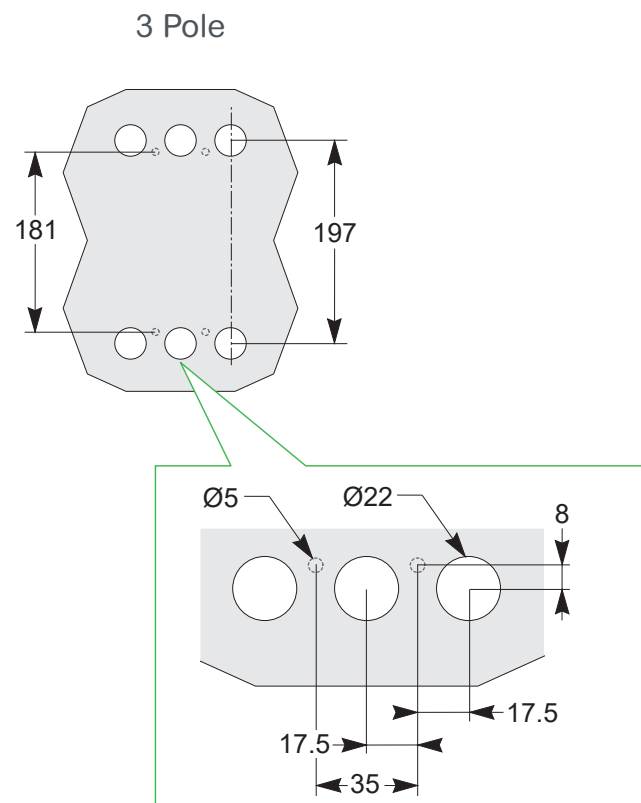
Rear connectors

Mounting plate cutouts

GoPact MCCB 250



GoPact MCCB 250 Plug-in base



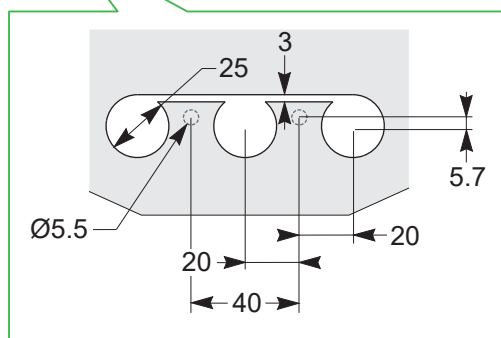
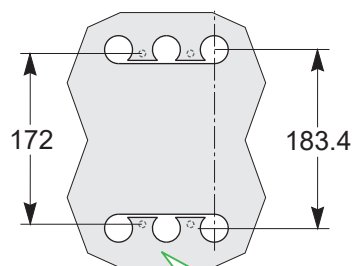
Dimensions

Rear connectors

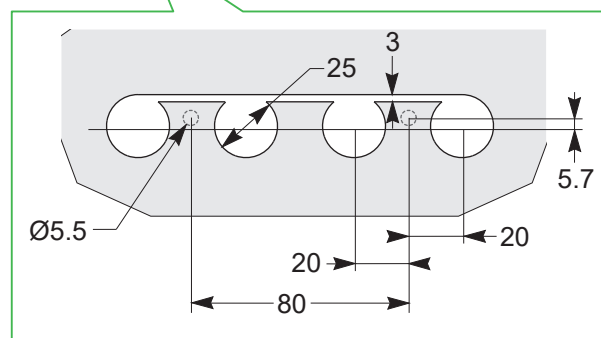
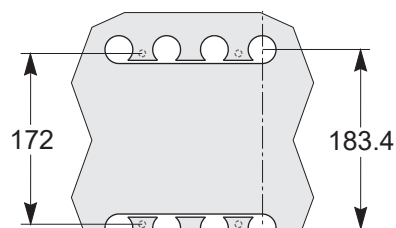
Mounting plate cutouts

GoPact MCCB 400

3 Pole

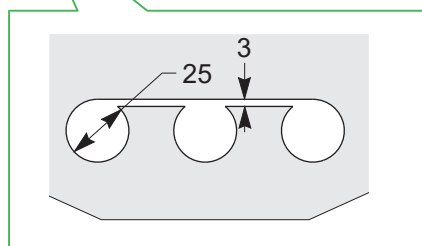
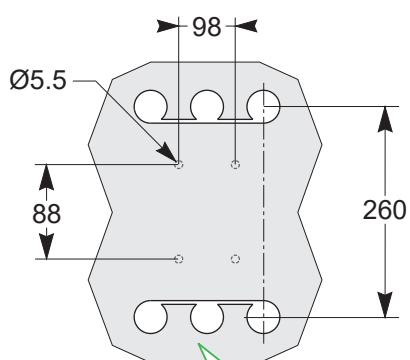


4 Pole

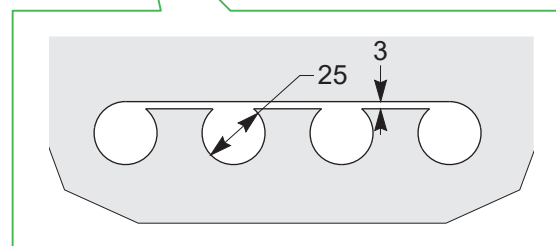
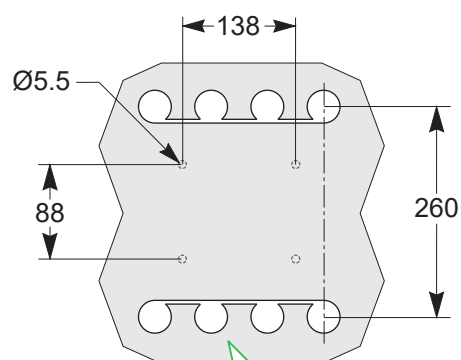


GoPact MCCB 400 Plug-in base

3 Pole



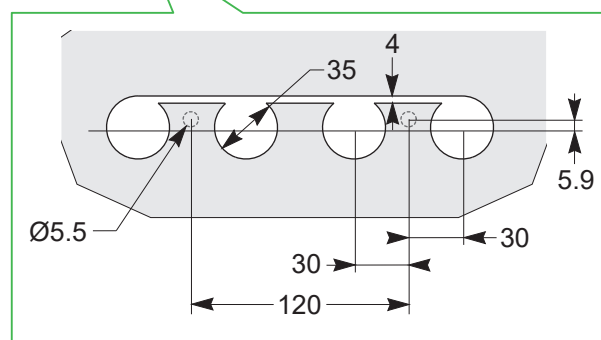
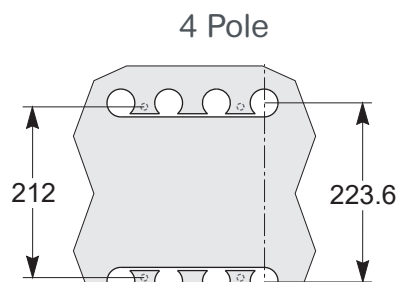
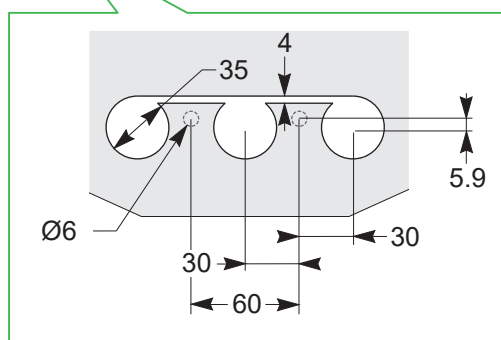
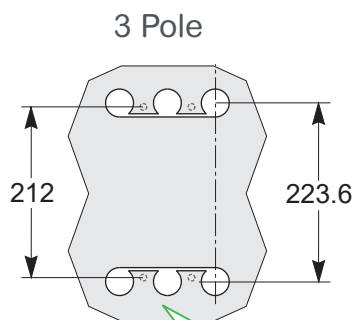
4 Pole



Rear connectors

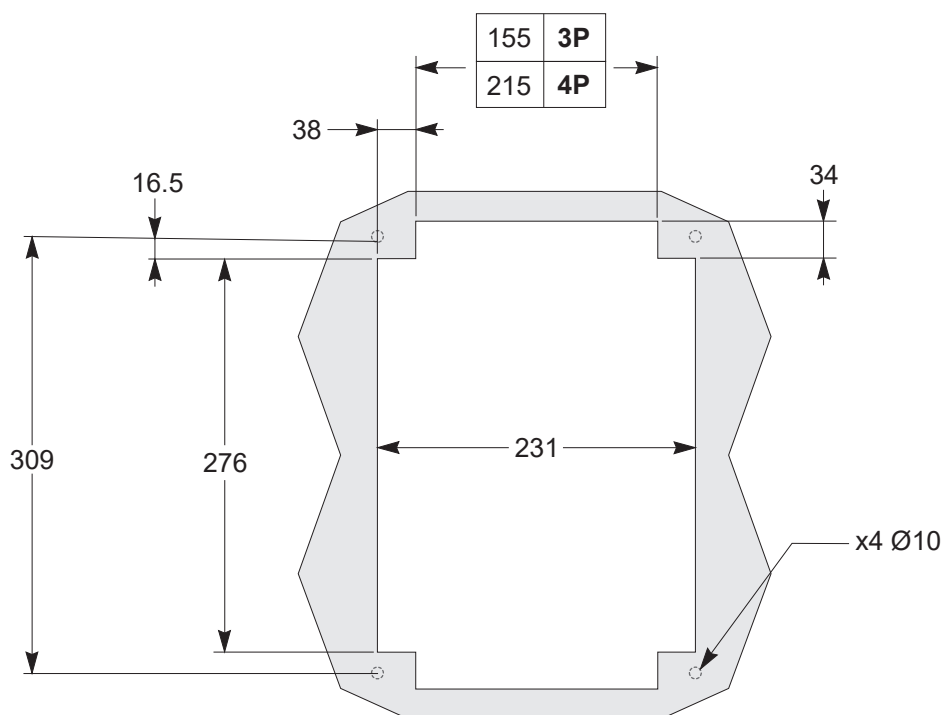
Mounting plate cutouts

GoPact MCCB 800



GoPact MCCB 800 Plug-in base

3 Pole/4 Pole



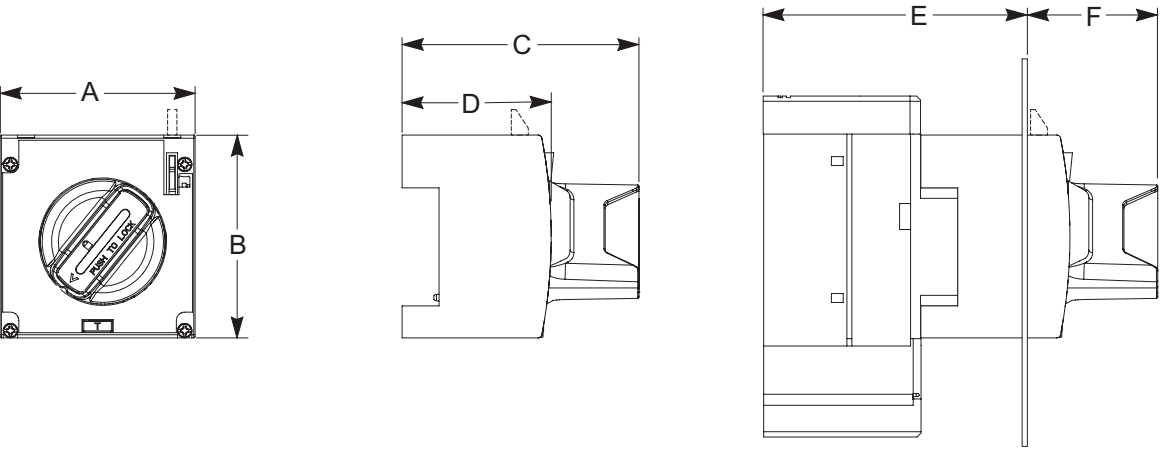
Dimensions

Direct Rotary Handle

Dimensions and Front-panel cutouts

Direct rotary handle

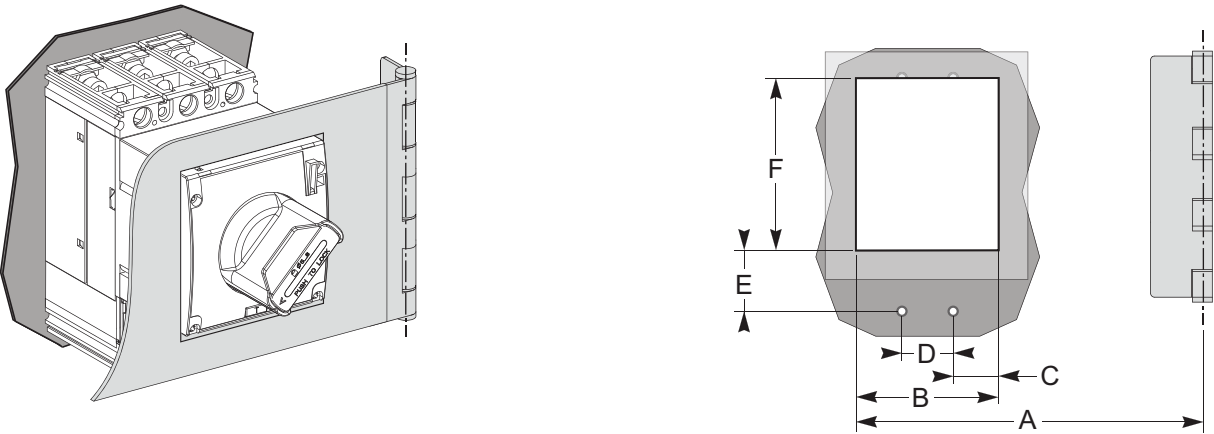
3 Pole/4 Pole



mm	GoPact MCCB 125	GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
A	74.50	75	105	120	180
B	78	78	88	113.2	140
C	84.80	92.3	105.7	116.5	129.5
D	51.30	58.4	65.8	75.38	77.2
E	75.3	86.3	117.5	140.3	134.7
F	68	64.8	76.4	80	98.3

Front-panel cutouts

3 Pole/4 Pole



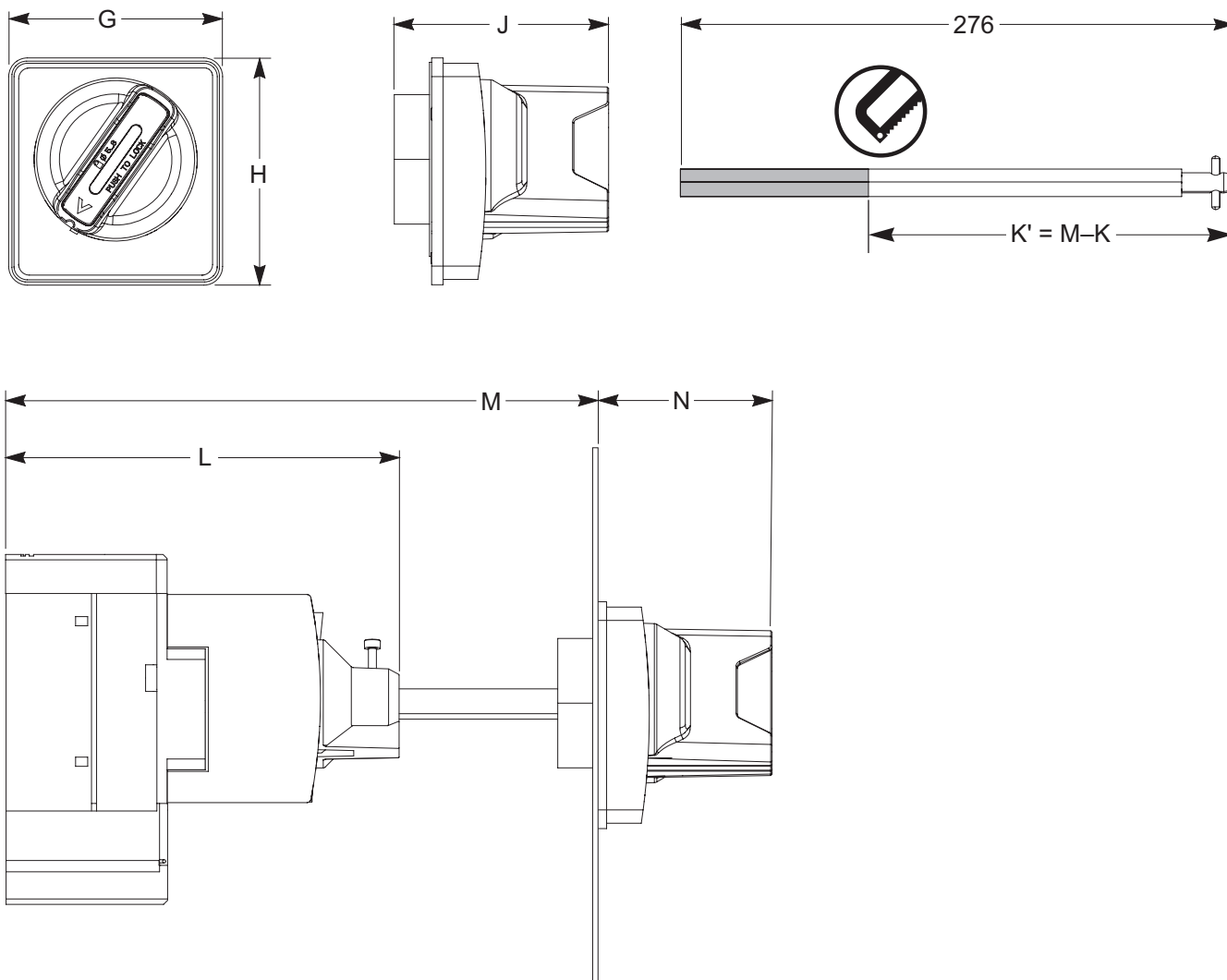
mm	GoPact MCCB 125	GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
A	194.5	195	210	218.5	235
B	89	90	120	137	170
C	32	32.5	42.5	48.5	55
D	25	25	25	40	60
E	5.7	24.5	27.5	43.3	59
F	88	88	98	123.3	144

Extended Rotary handle

Dimensions

Extended rotary handle

3 Pole/4 Pole



D

mm	GoPact MCCB 125	GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
G	80	80	80	80	80
H	85	85	85	85	85
J	80.3	80.3	80.3	80.3	80.3
K	94.3	102.2	133.6	160.2	172.4
L	139.6	147.5	178.9	205.5	217.7
M (Minimum)	163.1	171	202.4	229	241.2
M (Maximum)	367.6	375.5	406.9	433.5	445.7
N	67	67	67	67	67

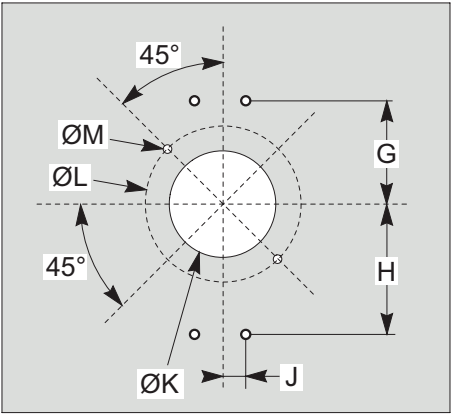
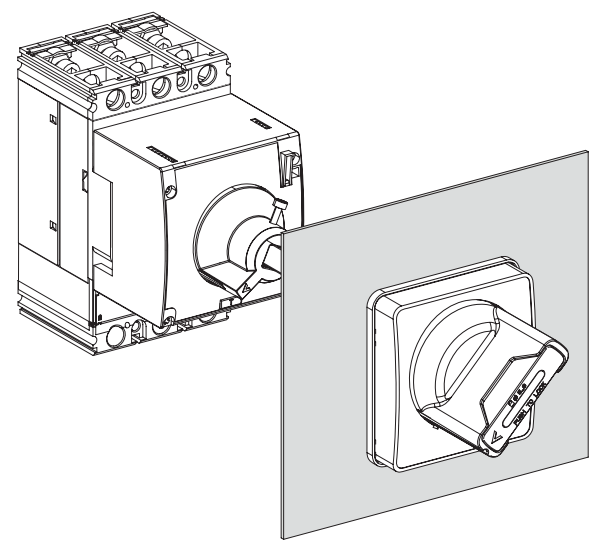
Dimensions

Extended Rotary Handle

Front-panel cutouts

Front-panel cutouts

3 Pole/4 Pole

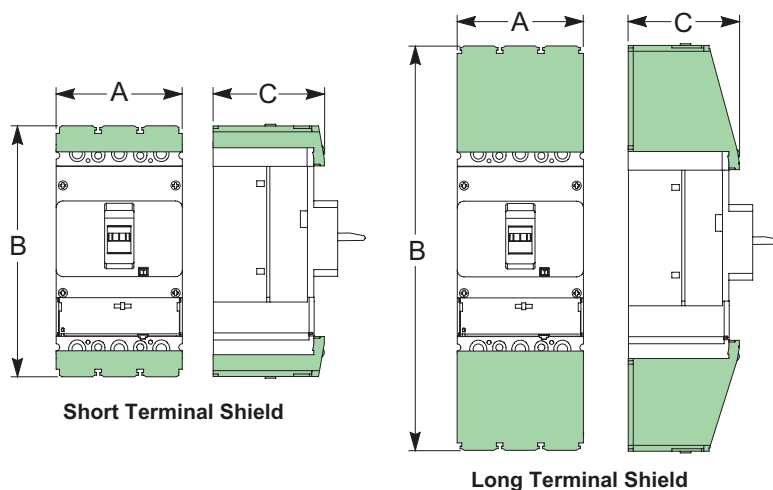


mm	GoPact MCCB 125		GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
G	60.50		47.5	46.5	67	81
H	51.50		66.5	79.5	105	131.2
J	10.50 (3P)	9.50 (4P)	10.50	17.5	19	30
ØK	51		51	51	51	51
ØL	76		76	76	76	76
ØM	4.5		4.5	4.5	4.5	4.5

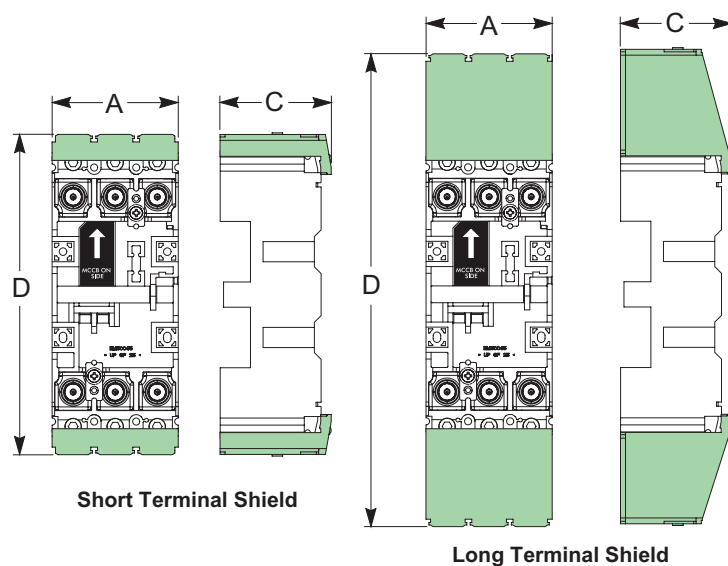
Short and Long Terminal Shield

GoPact MCCB and Plug-in Base

GoPact MCCB



Plug-in base



D

mm	Configuration	Pole	A	B	C	D
GoPact MCCB 125	Short Terminal Shield	3P	76.6	150.8	63.7	-
		4P	101.6	150.8	63.7	-
	Long Terminal Shield	3P	76.6	235	63.7	-
		4P	101.6	235	63.7	-
GoPact MCCB 200	Short Terminal Shield	3P	76.6	150.8	63.7	191.8
		4P	101.6	150.8	63.7	191.8
	Long Terminal Shield	3P	76.6	235	63.7	-
		4P	101.6	235	63.7	-
GoPact MCCB 250	Short Terminal Shield	3P	105	179	90.5	234
		4P	140	179	90.5	234
	Long Terminal Shield	3P	105	305	90.5	-
		4P	140	305	90.5	-
GoPact MCCB 400	Short Terminal Shield	3P	120	221	104.4	298
		4P	160	221	104.4	298
	Long Terminal Shield	3P	120	345	104.4	-
		4P	160	345	104.4	-
GoPact MCCB 800	Short Terminal Shield	3P	180	265.4	103.6	353.4
		4P	240	265.4	103.6	353.4
	Long Terminal Shield	3P	180	390	103.6	-
		4P	240	390	103.6	-

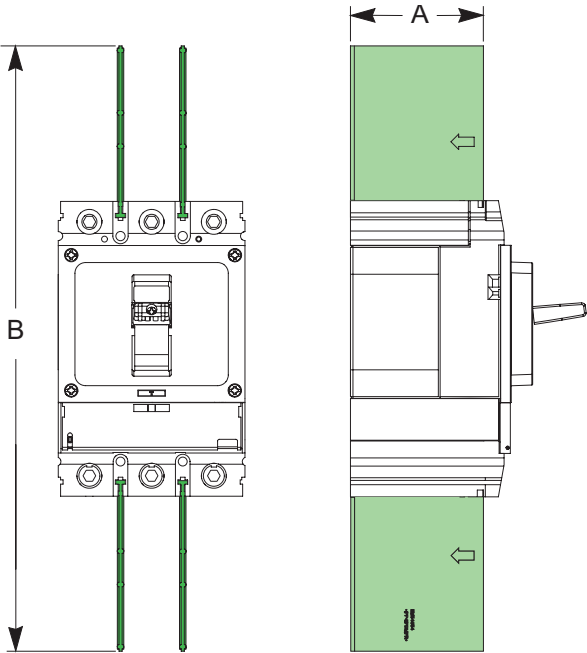
Dimensions

Interphase barriers

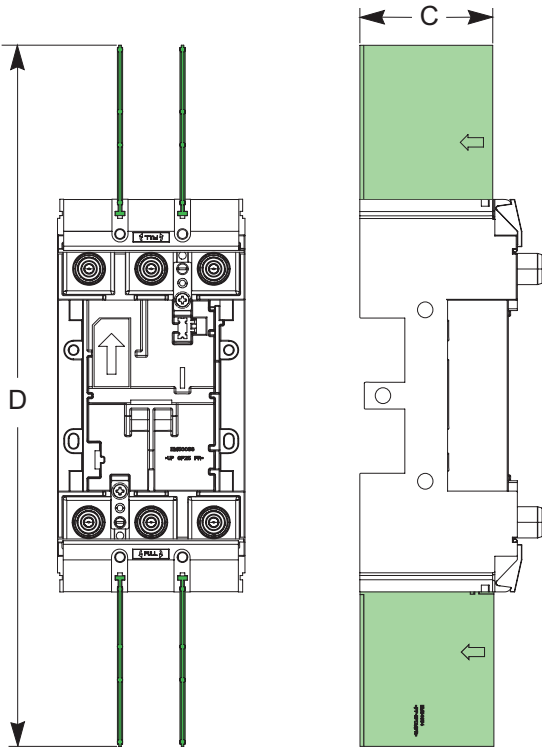
GoPact MCCB

Interphase barriers

GoPact MCCB



Plug-in base



mm	GoPact MCCB 125	GoPact MCCB 200	GoPact MCCB 250	GoPact MCCB 400	GoPact MCCB 800
A	59	60	86	96	96
B	216	276	365	405	450
C	-	60	70	96	96
D	-	367.3	419	481	536



Technical Data Supplement

Technical Data Supplement

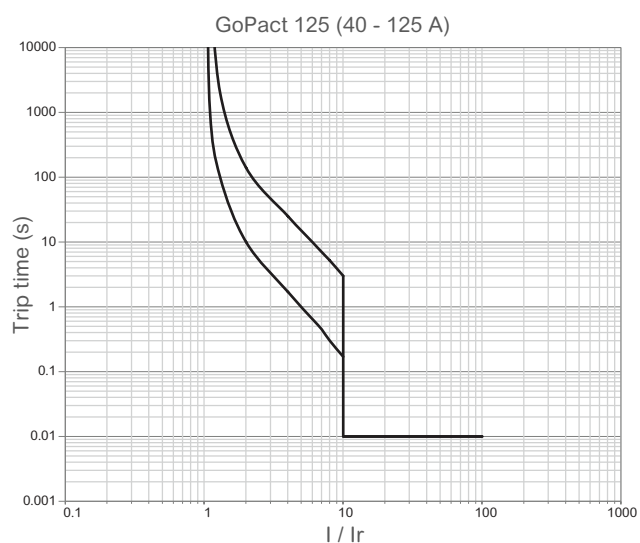
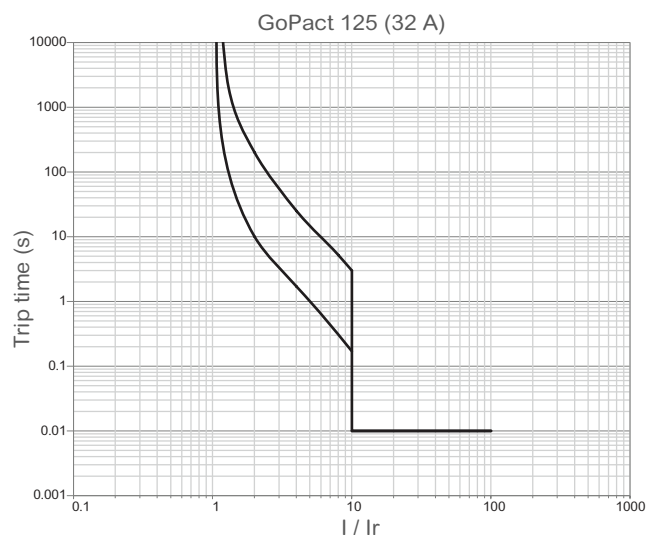
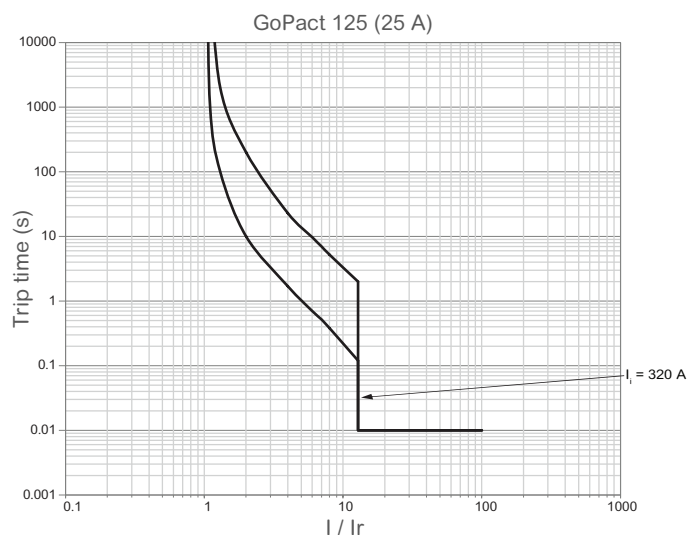
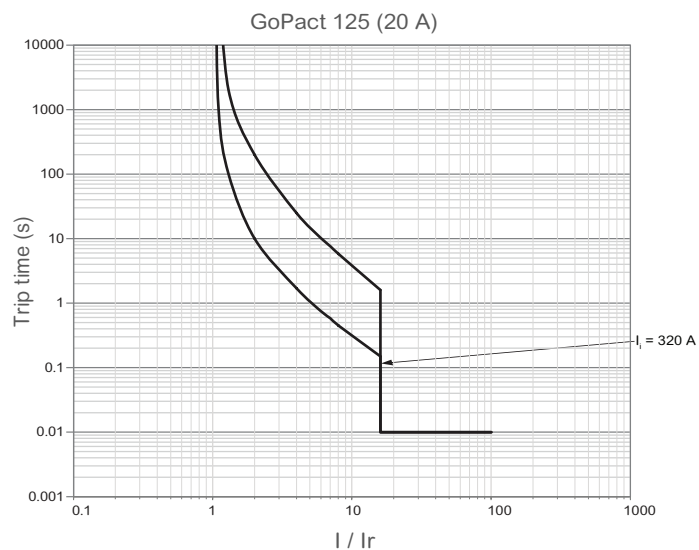
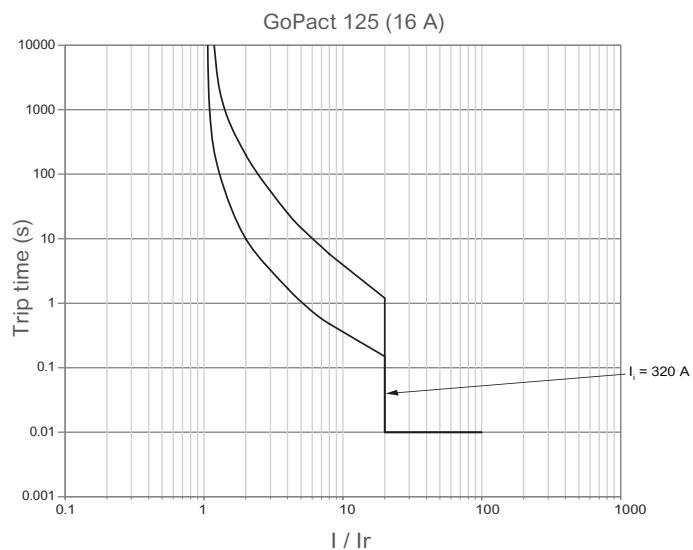
Tripping curves	E-3
TMD Thermal magnetic trip unit	E-3
ETU 2.4 Electronic trip unit	E-6
Current and Energy limiting curve	E-7
Derating.....	E-8
Ambient Temperature derating.....	E-8
Altitude derating.....	E-9

Technical Data Supplement

Tripping Curves

TMD Thermal magnetic trip unit

GoPact MCCB 125

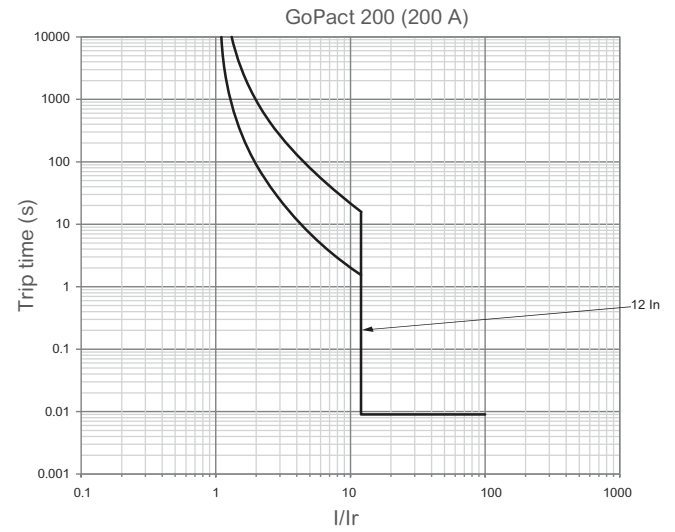
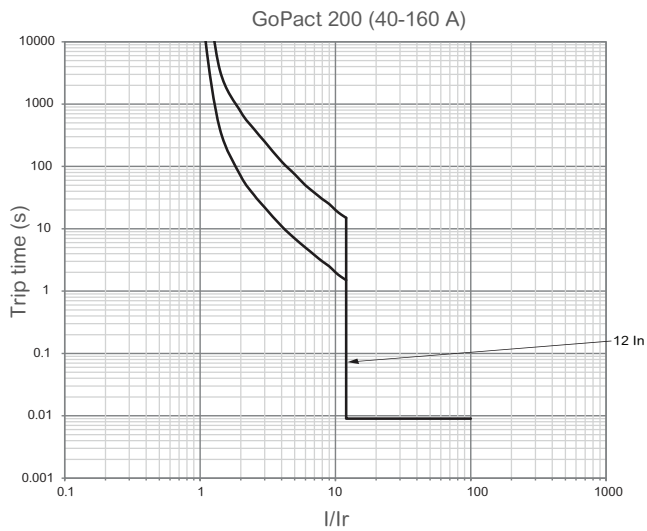


Technical Data Supplement

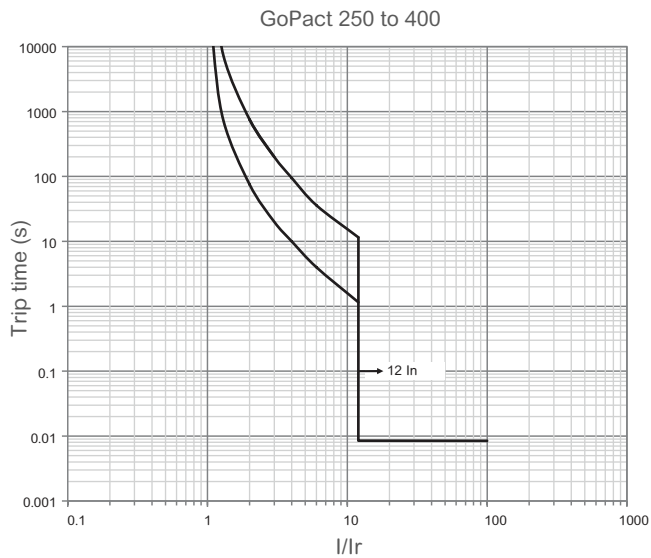
Tripping Curves

TMD Thermal magnetic trip unit

GoPact MCCB 200



GoPact MCCB 250 to 400



E

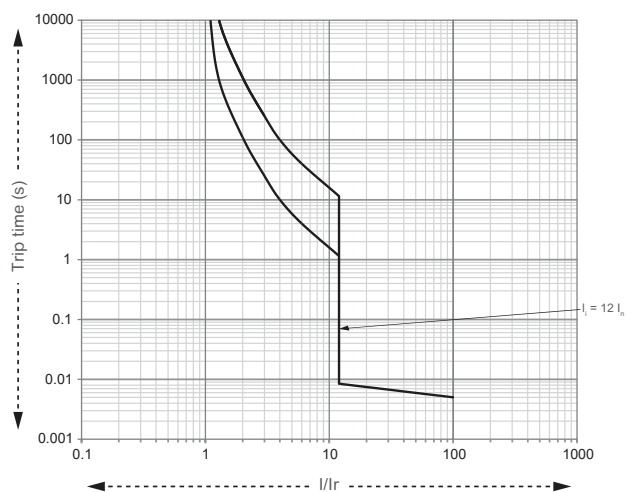
Technical Data Supplement

Tripping Curves

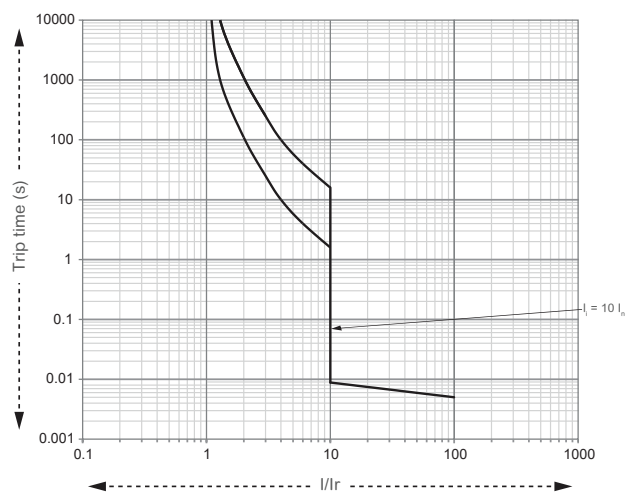
TMD Thermal magnetic trip unit

GoPact MCCB 800

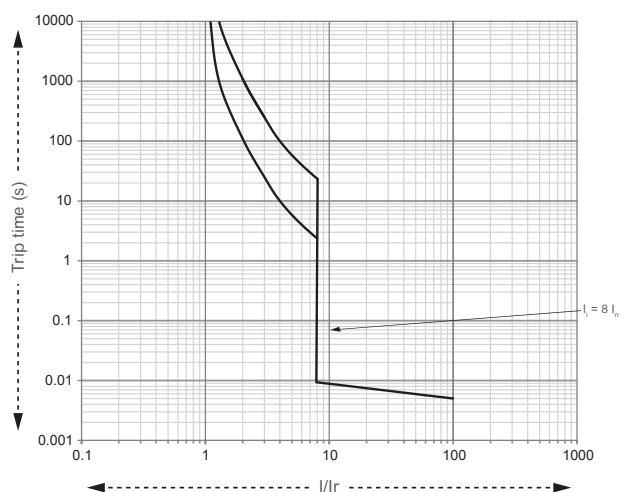
GoPact 800 (500 A)



GoPact 800 (630 A)



GoPact 800 (800 A)

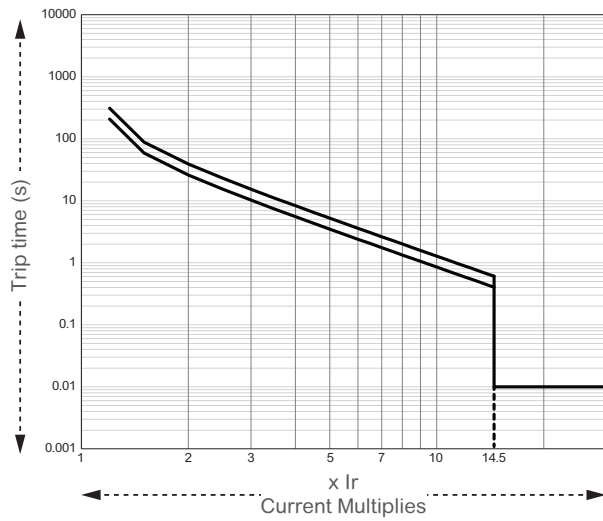


Technical Data Supplement

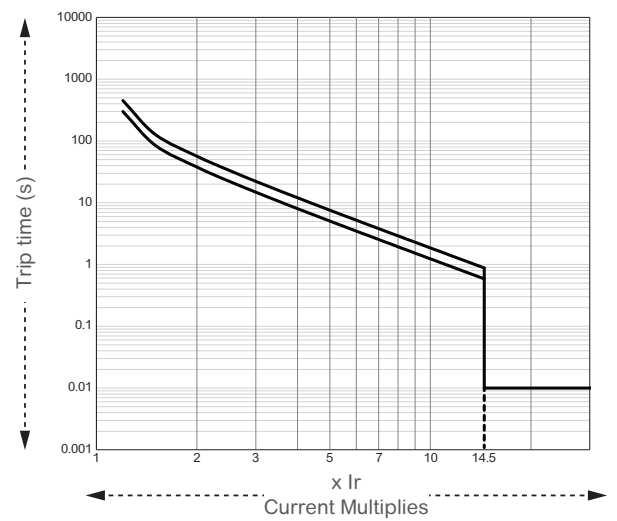
Tripping Curves

ETU 2.4 Electronic trip unit

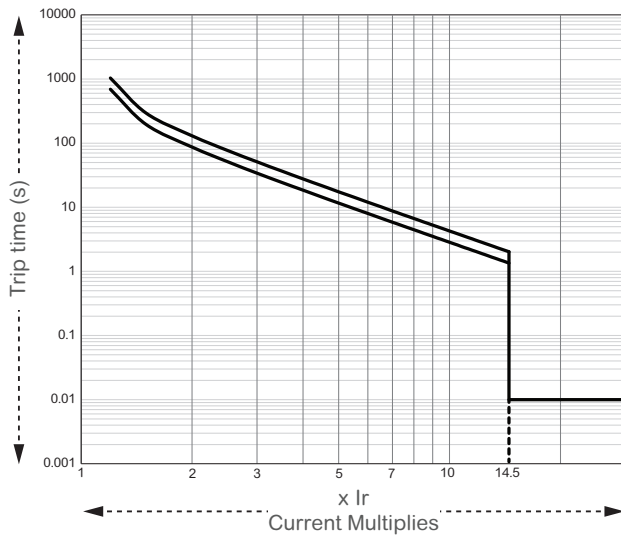
Overload 6Ir @ 3s



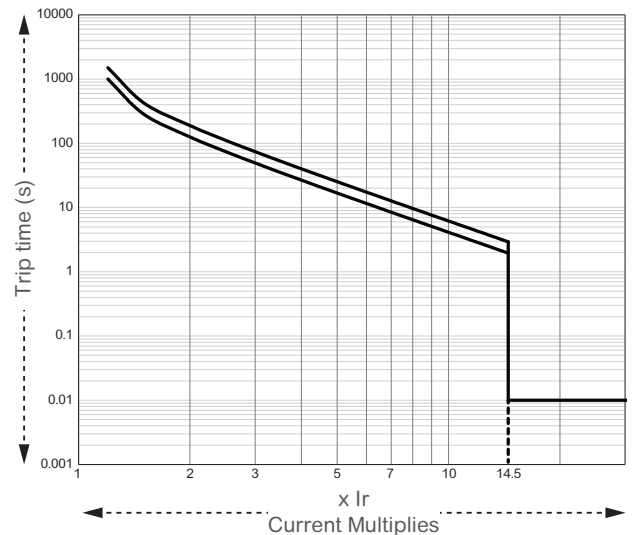
Overload 7.2 Ir @ 3s



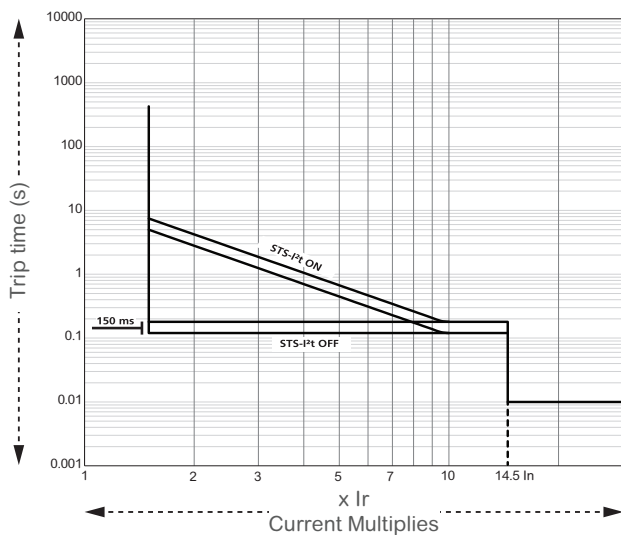
Overload 6Ir @ 10s



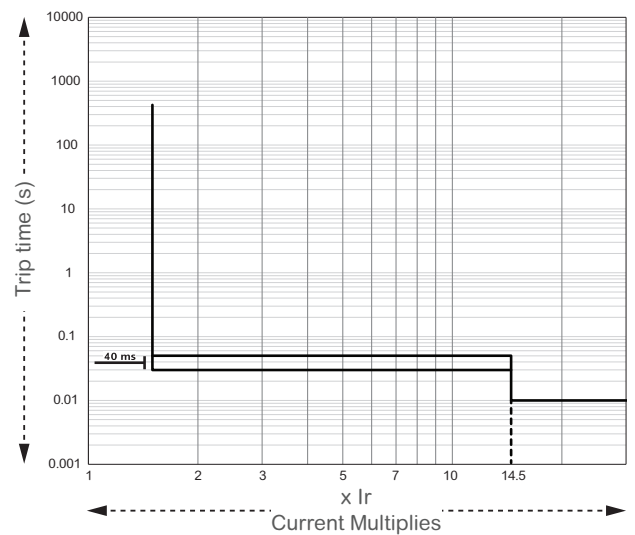
Overload 7.2 Ir @ 10s



Short - Circuit



Instantaneous

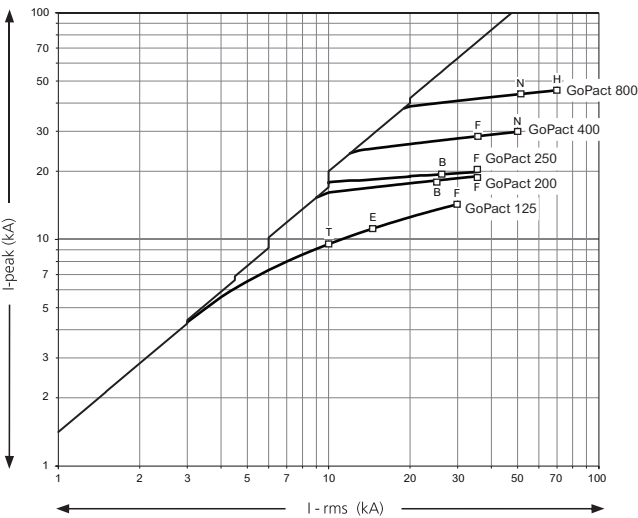


Technical Data Supplement

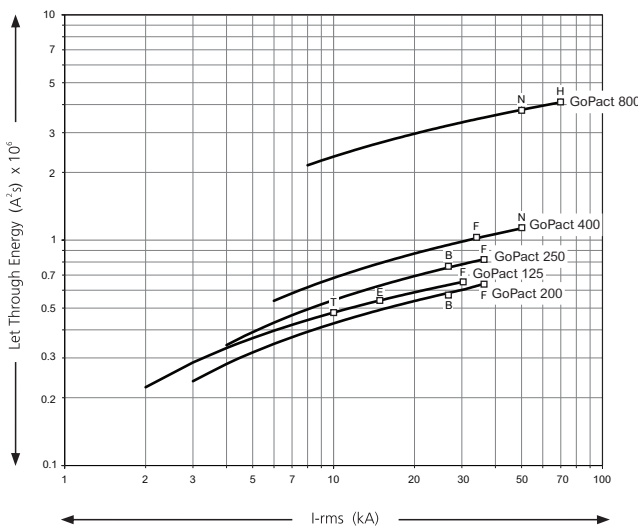
Current and Energy Limiting Curve

For GoPact at 415 V

Current Limiting Curve for GoPact at 415 V AC



Energy Limiting Curve for GoPact at 415 V AC



Technical Data Supplement

Derating

Ambient Temperature derating

Thermal magnetic trip unit																			
Frame	Rated current (A)	20 °C			30 °C			40 °C			45 °C			50 °C			55 °C		
		MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn
GoPact MCCB 125	16	18 A	NA		17 A	NA		16 A	NA		-		15 A	NA		15 A	NA		
	20	22 A	NA		21 A	NA		20 A	NA		-		19 A	NA		18 A	NA		
	25	28 A	NA		27 A	NA		25 A	NA		-		23 A	NA		23 A	NA		
	32	36 A	NA		34 A	NA		32 A	NA		-		30 A	NA		29 A	NA		
	40	45 A	NA		42 A	NA		40 A	NA		-		38 A	NA		36 A	NA		
	50	56 A	NA		53 A	NA		50 A	NA		-		47 A	NA		45 A	NA		
	63	71 A	NA		67 A	NA		63 A	NA		-		59 A	NA		57 A	NA		
	80	90 A	NA		85 A	NA		80 A	NA		-		75 A	NA		73 A	NA		
	100	112 A	NA		106 A	NA		100 A	NA		-		94 A	NA		91 A	NA		
	125	139 A	NA		132 A	NA		125 A	NA		-		118 A	NA		115 A	NA		
GoPact MCCB 200	40	40 A			40 A			40 A			40 A			40 A			40 A		
	50	50 A			50 A			50 A			50 A			50 A			50 A		
	63	63 A			63 A			63 A			63 A			63 A			63 A		
	80	80 A			80 A			80 A			80 A			80 A			80 A		
	100	100 A			100 A			100 A			100 A			100 A			100 A		
	125	125 A			125 A			125 A			125 A			125 A			125 A		
	160	160 A			160 A			160 A	147 A	145 A	160 A	147 A	145 A	160 A	147 A	145 A	160 A	147 A	145 A
	200	200 A	-		200 A	-		200 A	-		200 A	-		200 A	-		200 A	-	
GoPact MCCB 250	160	160 A			160 A			160 A			160 A			160 A			160 A		
	200	200 A			200 A			200 A			200 A			200 A			200 A		
	250	250 A			250 A			250 A	225 A		250 A	225 A		250 A	225 A		250 A	225 A	
GoPact MCCB 400	250	250 A			250 A			250 A			250 A			250 A			250 A		
	320	320 A			320 A			320 A			320 A			320 A			320 A		
	400	400 A			400 A			400 A	360 A		400 A	360 A		400 A	360 A		400 A	360 A	
GoPact MCCB 800	500	500 A			500 A			500 A			500 A			500 A			500 A		
	630	630 A			630 A			630 A	570 A		630 A	570 A		630 A	570 A		630 A	570 A	
	800	800 A			800 A			800 A	720 A		800 A	720 A		800 A	720 A		800 A	720 A	

Electronic trip unit																			
Frame	Rated current (A)	20 °C			30 °C			40 °C			45 °C			50 °C			55 °C		
		MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn
GoPact MCCB 800	500	500 A			500 A			500 A			500 A			500 A			500 A		
	630	630 A			630 A			630 A			630 A			630 A			630 A		
	800	800 A	720 A	800 A	800 A	720 A	800 A	800 A	720 A	800 A	800 A	720 A	800 A	800 A	720 A	800 A	800 A	720 A	800 A

Rear Conn- Rear Connector

Technical Data Supplement

Derating

Altitude derating

Thermal magnetic trip unit												
Frame	2000 m			3000 m			4000 m			5000 m		
	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn
GoPact MCCB 125	1 In	NA		0.96 In	NA		0.93 In	NA		0.89 In	NA	
GoPact MCCB 200	1 In			0.96 In		0.93 In			0.89 In			
GoPact MCCB 250												
GoPact MCCB 400												
GoPact MCCB 800												

Electronic trip unit												
Frame	2000 m			3000 m			4000 m			5000 m		
	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn	MCCB	MCCB + Plug-in	MCCB + Rear Conn
GoPact MCCB 800	1 In			0.96 In			0.93 In			0.89 In		

Rear Conn- Rear Connector



Commercial References

Commercial References

Reference IDs.....	F-3
GoPact MCCB.....	F-3
Accessories.....	F-6



Commercial References

Reference IDs

GoPact MCCB

GoPact Molded Case Circuit Breaker 125

		Breaking capacity at 415 V AC	Rating	3P3D	4P4D	3P3D	4P4D
 Fixed	10 kA = T		16 A	G12T3F16	G12T4F16	G12T3A16	G12T4A16
			20 A	G12T3F20	G12T4F20	G12T3A20	G12T4A20
			25 A	G12T3F25	G12T4F25	G12T3A25	G12T4A25
			32 A	G12T3F32	G12T4F32	G12T3A32	G12T4A32
			40 A	G12T3F40	G12T4F40	G12T3A40	G12T4A40
			50 A	G12T3F50	G12T4F50	G12T3A50	G12T4A50
			63 A	G12T3F63	G12T4F63	G12T3A63	G12T4A63
			80 A	G12T3F80	G12T4F80	G12T3A80	G12T4A80
			100 A	G12T3F100	G12T4F100	G12T3A100	G12T4A100
			125 A	G12T3F125	G12T4F125	G12T3A125	G12T4A125
 Adjustable	15 kA = E		16 A	G12E3F16	G12E4F16	G12E3A16	G12E4A16
			20 A	G12E3F20	G12E4F20	G12E3A20	G12E4A20
			25 A	G12E3F25	G12E4F25	G12E3A25	G12E4A25
			32 A	G12E3F32	G12E4F32	G12E3A32	G12E4A32
			40 A	G12E3F40	G12E4F40	G12E3A40	G12E4A40
			50 A	G12E3F50	G12E4F50	G12E3A50	G12E4A50
			63 A	G12E3F63	G12E4F63	G12E3A63	G12E4A63
			80 A	G12E3F80	G12E4F80	G12E3A80	G12E4A80
			100 A	G12E3F100	G12E4F100	G12E3A100	G12E4A100
			125 A	G12E3F125	G12E4F125	G12E3A125	G12E4A125
	30 kA = F		16 A	G12F3F16	G12F4F16	G12F3A16	G12F4A16
			20 A	G12F3F20	G12F4F20	G12F3A20	G12F4A20
			25 A	G12F3F25	G12F4F25	G12F3A25	G12F4A25
			32 A	G12F3F32	G12F4F32	G12F3A32	G12F4A32
			40 A	G12F3F40	G12F4F40	G12F3A40	G12F4A40
			50 A	G12F3F50	G12F4F50	G12F3A50	G12F4A50
			63 A	G12F3F63	G12F4F63	G12F3A63	G12F4A63
			80 A	G12F3F80	G12F4F80	G12F3A80	G12F4A80
			100 A	G12F3F100	G12F4F100	G12F3A100	G12F4A100
			125 A	G12F3F125	G12F4F125	G12F3A125	G12F4A125

GoPact Molded Case Circuit Breaker 200

Breaking capacity at 415 V AC		3P3D	4P4D
25 kA = B	40 A	G20B3A40	G20B4A40
	50 A	G20B3A50	G20B4A50
	63 A	G20B3A63	G20B4A63
	80 A	G20B3A80	G20B4A80
	100 A	G20B3A100	G20B4A100
	125 A	G20B3A125	G20B4A125
	160 A	G20B3A160	G20B4A160
36 kA = F	200 A	G20B3A200	G20B4A200
	40 A	G20F3A40	G20F4A40
	50 A	G20F3A50	G20F4A50
	63 A	G20F3A63	G20F4A63
	80 A	G20F3A80	G20F4A80
	100 A	G20F3A100	G20F4A100
	125 A	G20F3A125	G20F4A125
	160 A	G20F3A160	G20F4A160
	200 A	G20F3A200	G20F4A200



F

GoPact Molded Case Circuit Breaker 250

Breaking capacity at 415 V AC		3P3D	4P4D
25 kA = B	160 A	G25B3A160	G25B4A160
	200 A	G25B3A200	G25B4A200
	250 A	G25B3A250	G25B4A250
36 kA = F	160 A	G25F3A160	G25F4A160
	200 A	G25F3A200	G25F4A200
	250 A	G25F3A250	G25F4A250



Commercial References

Reference IDs

GoPact MCCB

GoPact Molded Case Circuit Breaker 400

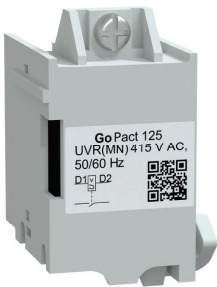
				
	Breaking capacity at 415 V AC	Rating	3P3D	4P4D
	36 kA = F	250 A	G40F3A250	G40F4A250
		320 A	G40F3A320	G40F4A320
		400 A	G40F3A400	G40F4A400
	50 kA = N	250 A	G40N3A250	G40N4A250
		320 A	G40N3A320	G40N4A320
		400 A	G40N3A400	G40N4A400

GoPact Molded Case Circuit Breaker 800

			Thermal magnetic	
	Breaking capacity at 415 V AC	Rating	3P3D	4P4D
	50 kA = N	500 A	G80N3TM500	G80N4TM500
		630 A	G80N3TM630	G80N4TM630
		800 A	G80N3TM800	G80N4TM800
	70 kA = H	500 A	G80H3TM500	G80H4TM500
		630 A	G80H3TM630	G80H4TM630
		800 A	G80H3TM800	G80H4TM800

			Electronic	
	Breaking capacity at 415 V AC	Rating	3P3D	4P4D
	50 kA = N	500 A	G80N3E500	G80N4E500
		630 A	G80N3E630	G80N4E630
		800 A	G80N3E800	G80N4E800
	70 kA = H	500 A	G80H3E500	G80H4E500
		630 A	G80H3E630	G80H4E630
		800 A	G80H3E800	G80H4E800

Voltage release (MN) / Shunt trip (MX)



GoPact MCCB 125 AC 50/60 Hz MN	
Rating	MN
110 V	G12UVR110AC
240 V	G12UVR230AC
415 V	G12UVR415AC
GoPact MCCB 125 AC 50/60Hz MX	
Rating	MX
110-415 V	G12SHT415AC
GoPact MCCB 200-250 AC 50/60Hz MN	
Rating	MN
110 V	G20-25UVR110AC
240 V	G20-25UVR240AC
415 V	G20-25UVR415AC
GoPact MCCB 200-250 AC/DC 50/60Hz MX	
Rating	MX
24 V	G20-25SHT24DC
48 V	G20-25SHT48DC
110 V	G20-25SHT110AC
240 V	G20-25SHT240AC
415 V	G20-25SHT415AC
GoPact MCCB 400-800 AC/DC 50/60Hz MN	
Rating	MN
110 V	G40-80UVR110AC
240 V	G40-80UVR240AC
415 V	G40-80UVR415AC
GoPact MCCB 400-800 AC/DC 50/60Hz MX	
Rating	MX
24 V	G40-80SHT24DC
48 V	G40-80SHT48DC
110 V	G40-80SHT110AC
240 V	G40-80SHT240AC
415 V	G40-80SHT415AC

Commercial References

Reference IDs

Accessories

Auxiliary contact (OF/SD)



Auxiliary contact (OF/SD) GoPact MCCB 125-250

Rating

240 V	G12-25AUX240
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Auxiliary contact (OF/SD) GoPact MCCB 400-800

Rating

240 V	G40-80AUX240
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Rotary Handle

Direct

Extended



Direct



Extended

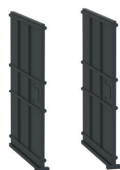


GoPact MCCB 125	G12ROTDS	G12ROTE
GoPact MCCB 200	G20ROTDS	G20ROTE
GoPact MCCB 250	G25ROTDS	G25ROTE
GoPact MCCB 400	G40ROTDS	G40ROTE
GoPact MCCB 800	G80ROTDS	G80ROTE

Interphase barriers

MCCB

Plug-in



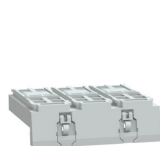
GoPact MCCB 125	G12FASB2	G12FASB2
GoPact MCCB 200	G20FASB2	G20PLUGFASB2
GoPact MCCB 250	G25FASB2	G25FASB2
GoPact MCCB 400-800	G40-80FASB2	G40-80FASB2

- Set of 2 numbers.

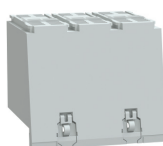
Terminal shield

Short Terminal shield

Long Terminal shield



Short Terminal shield



Long Terminal shield

	3P	4P	3P	4P
GoPact MCCB 125	G12STSHD3P	G12STSHD4P	G12LTSHD3P	G12LTSHD4P
GoPact MCCB 200	G20STSHD3P	G20STSHD4P	G20LTSHD3P	G20LTSHD4P
GoPact MCCB 250	G25STSHD3P	G25STSHD4P	G25LTSHD3P	G25LTSHD4P
GoPact MCCB 400	G40STSHD3P	G40STSHD4P	G40LTSHD3P	G40LTSHD4P
GoPact MCCB 800	G80STSHD3P	G80STSHD4P	G80LTSHD3P	G80LTSHD4P

- Set of 2 numbers.

Plug-In Base



	3P	4P
GoPact MCCB 200*	G20PBASE3P	G20PBASE4P
GoPact MCCB 250	G25PBASE3P	G25PBASE4P
GoPact MCCB 400	G40PBASE3P	G40PBASE4P
GoPact MCCB 800	G80PBASE3P	G80PBASE4P

* Do not use plug-in base for 200 A

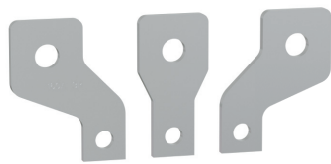
Conversion kit for Plug-in Base



	3P	4P
GoPact MCCB 200*	G20PLUGKIT3P	G20PLUGKIT4P
GoPact MCCB 250	G25PLUGKIT3P	G25PLUGKIT4P
GoPact MCCB 400	G40PLUGKIT3P	G40PLUGKIT4P
GoPact MCCB 800	G80PLUGKIT3P	G80PLUGKIT4P

* Do not use conversion kit for plug-in base connectors for 200 A

Terminal Extension Spreaders



	3P	4P
GoPact MCCB 125	G12SPDR3P	G12SPDR4P
GoPact MCCB 200(40-160 A)	G20SPDR3P	G20SPDR4P
GoPact MCCB 250	G25SPDR3P	G25SPDR4P
GoPact MCCB 400	G40SPDR3P	G40SPDR4P
GoPact MCCB 800(500-630 A)	G80SPDR3P630	G80SPDR4P630
GoPact MCCB 800(800 A)	G80SPDR3P800	G80SPDR4P800

- 3P includes 6 number, one for each pole
- 4P includes 8 number, one for each pole

Rear Connectors



	3P	4P
GoPact MCCB 200*	G20RC3P	G20RC4P
GoPact MCCB 250	G25RC3P	G25RC4P
GoPact MCCB 400	G40RC3P	G40RC4P
GoPact MCCB 800	G80RC3P	G80RC4P

- * Do not use rear connectors for 200 A
- 3P includes 6 number, one for each pole
- 4P includes 8 number, one for each pole

Steel bare cable connectors



	3P	4P
GoPact MCCB 200*	G20SBC3P	G20SBC4P
GoPact MCCB 250	G25SBC3P	G25SBC4P
GoPact MCCB 400	G40SBC3P	G40SBC4P

- * Do not use steel bare cable connectors for 200 A
- 3P includes 6 number, one for each pole
- 4P includes 8 number, one for each pole

ETU Test kit with hard case for storage



GoPact MCCB 800(ETU)	GETUTESTKIT

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Schneider Electric Industries SAS

35, rue Joseph Monier
CS 30323
92506 Rueil Malmaison Cedex
France

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