Easy Series

EasyPact™ Solar MCCB

Catalog 2024
Molded-Case Circuit Breaker
from 125 to 800 A



se.com

Life Is On | Schneider Electric



Green Premium™

Endorsing eco-friendly products in the industry

Green Premium™

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

Fundamentals of protection...

EasyPact Solar MCCB is a specially designed molded case circuit breaker range dedicated to large and medium scale solar farm installations compatible to work with different inverter configurations. High performance, Easy to install / maintain at affordable prices is the hallmark of the offer.

As a Schneider Electric offer, the complete range provides:

High Reliability at Affordable Prices









Customer values



Panel Builders

- Complete range from 125 to 800 A consists of two 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



OEM

- Seamless performance in renewable energy power plants
- 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

Competitive edge with **reliable quality** and wide range of current ratings!



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



Timely delivery, wherever you are

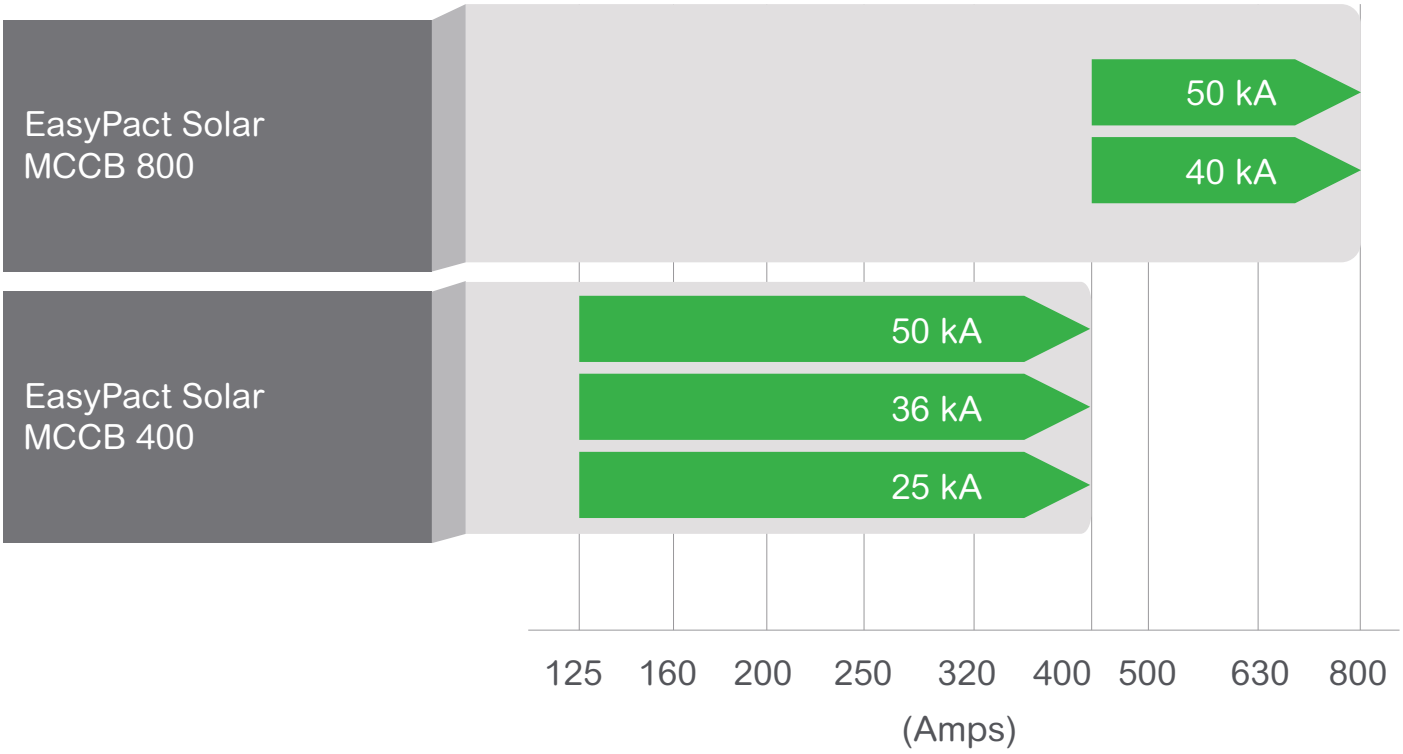
Schneider Electric offers a world-renowned logistics network capable of delivering **Easy**Pact Solar MCCB products to you fast, wherever you are.

EasyPact Solar MCCB offers

Enhanced features

- Current ratings ranges from 125 A to 800 A
- Thermal magnetic trip unit from 160 A to 400 A
- Electronic trip unit from 125A, 160A, 400A, 500A, 630A, 800A
- Wide range of accessories

Rated ultimate breaking capacity at 800 V AC



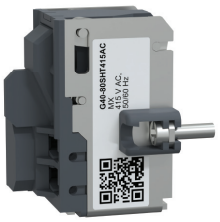
Comprehensive portfolio of accessories



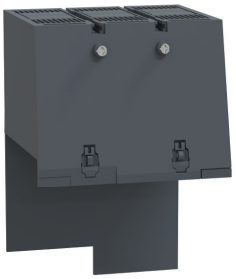
Direct rotary handle



Extended rotary handle



MN/MX



Long terminal shield



Interphase barrier



OF/SD



Terminal extension spreaders



ETU test Kit

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.

SOL **40** **B** **3** **A** **40**

EasyPact Solar

EasyPact Solar MCCB rating

40: 400 A
80: 800 A

Breaking capacity

B: 25 kA
F: 36 kA
N: 50 kA

Number of poles

3: 3P3D

Trip unit

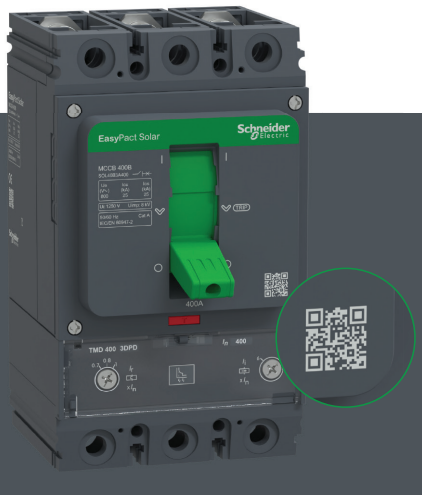
A: ATAM
E: ETU

Trip unit rating

125: 125 A
160: 160 A
200: 200 A
250: 250 A
320: 320 A
400: 400 A
500: 500 A
630: 630 A
800: 800 A

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.



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EasyPact™ Solar MCCB

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Introduction

Introduction

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Order your EasyPact MCCB through digital tools..... A-5

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The EasyPact Solar 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 EasyPact Solar range of MCCBs with operational voltages up to 800 V, insulation voltage up to 1250 V and higher breaking capacities up to 50 kA at 800 V AC.

The thermal magnetic trip units offer comprehensive protection for all needs. System designers and users can choose and implement the protection schemes fitting to their needs.

EasyPact Solar MCCB 400 & 800 equiped with electronic trip unit offers advanced protection.

Features

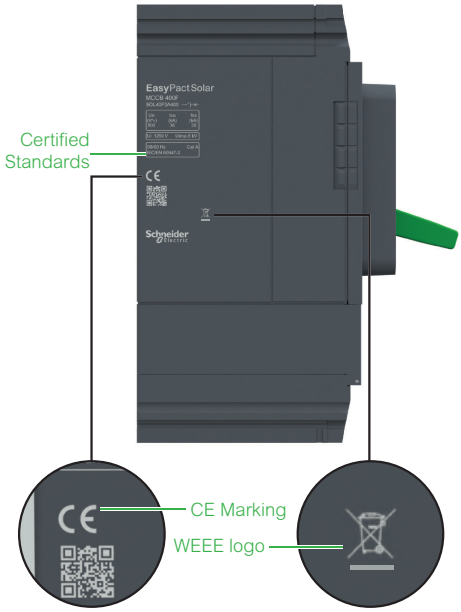
- Double break contact system for all EasyPact Solar MCCB 400 and 800
- Range from 125 to 800 A available in 3 pole 3D
- Protection using both TMD thermal magnetic trip unit and electronic trip unit
- Various types of power connection
- High electrical and mechanical life
- Large coverage of operational voltages
- Wide range of internal and external accessories
- Compact size provided with double insulation
- Ideal for renewable applications

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

Codes and standards

EasyPact Solar 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:

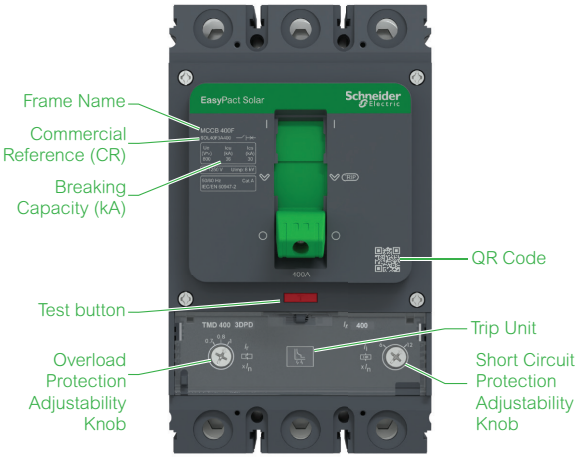
Environment:
EasyPact Solar MCCB series respects the European directives 2011/65/EU and 2015/863/EU concerning the restriction of hazardous substances (RoHS).

WEEE Directive:
EasyPact Solar 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

EasyPact Solar MCCB 400	
Trip unit	TMD Adjustable & ETU
Current rating	125 A - 400 A
Breaking capacity (Icu) at 800 V AC	25 kA - 50 kA
EasyPact Solar MCCB 800	
Trip unit	ETU
Current rating	400 A - 800 A
Breaking capacity (Icu) at 800 V AC	36 kA - 50 kA



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

WEEE[1]: Waste Electrical and Electronic Equipment Recycling

Overview

Order your **Easy**Pact Solar MCCB through digital tools

To simplify and expedite the ordering of **Easy**Pact Solar 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 go to the Product selector page and search for the EasyPact Solar MCCB

EasyPact Solar MCCB 400				125 - 400 A		
Breaking capacity levels				B	F	N
Poles				3P		
Breaking capacity offered (kA rms) at 50/60 Hz						
IS/IEC 60947-2, IEC 60947-2, EN 60947-2	Ue	800 V AC	Icu	25 kA	36 kA	50 kA
			Ics	25 kA	30 kA	40 kA
Rated current (A)				125[1]/160/200/250/320/400		
Utilisation category				Cat A		
Maximum rated current In depending on the version			Fixed (3P)	400 A		
Rated insulation voltage Ui						
		Main conducting paths		1250 V		
		Auxiliary circuits		440 V		
Rated impulse withstand voltage Uimp						
		Main conducting paths (kV)		8		
		Auxiliary circuits (kV)		4		
Rated operational voltage Ue						
		Voltage (V)		800		
Compliant with IEC /EN 60947-2 Annex H				Yes, upto 12 In		
Permissible ambient temperature range			Storage	-35 °C to +85 °C		
			Operation	-30 to +70 for ETU -10 to +50 for TMD[2]		
Durability (Operating cycles)			Mechanical	20,000		
			Electrical at 800 V AC	4,000		
Maximum switching frequency # operations per minute				2		
Dimensions (H*W*D) (mm)			3 Pole	205*120*105		
Pole to pole distance mm (Pitch in mm)				40		
Approx Weight (kg)				3.4		
IP Protection		IP		IP40(Panel cutout area)		

[1] 125 A is available only in ETU 2.4 release
[2] When the operating temperature falls below -10 °C, the space heater must be utilized for temperature control. The space heater can be set within the range of -10 °C to 0 °C.

Overview

Technical Datasheet

EasyPact Solar MCCB 800				400-500 A	
Breaking capacity levels				F	N
Poles				3P	
Breaking capacity offered (kA rms) at 50/60 Hz					
IS/IEC 60947-2, IEC 60947-2, EN 60947-2	Ue	800 V AC	Icu	36 kA	50 kA
			Ics	30 kA	40 kA
Rated current (A)			ETU	400/500 A	
Utilisation category				Cat A	
Maximum rated current In depending on the version			Fixed (3P)	400/500 A	
Rated insulation voltage Ui					
		Main conducting paths		1250 V	
		Auxiliary circuits		440 V	
Rated impulse withstand voltage Uimp					
		Main conducting paths (kV)		8	
		Auxiliary circuits (kV)		4	
Rated operational voltage Ue					
		Voltage (V)		800	
Compliant with IEC /EN 60947-2 Annex H				Yes, upto 12In	
Permissible ambient temperature range			Storage	-35 °C to +85 °C	
			Operation	-30 to +70 °C	
Durability (Operating cycles)			Mechanical	20,000	
			Electrical at 800 V AC	2,500	
Maximum switching frequency # operations per minute				1	
Dimensions (H*W*D) (mm)			3 Pole	250*180*105	
Pole to pole distance mm (Pitch in mm)				60	
Approx weight (kg)				6.3	
IP Protection		IP		IP40(Panel cutout area)	

EasyPact Solar MCCB 800				630-800 A	
Breaking capacity levels				F	N
Poles				3P	
Breaking capacity offered (kA rms) at 50/60 Hz					
IS/IEC 60947-2, IEC 60947-2, EN 60947-2	Ue	800 V AC	Icu	36 kA	50 kA
			Ics	30 kA	40 kA
Rated current (A)			ETU	630/800 A	
Utilisation category				Cat A	
Maximum rated current In depending on the version			Fixed (3P)	630/800 V AC	
Rated insulation voltage Ui					
		Main conducting paths		1250 V	
		Auxiliary circuits		440 V	
Rated impulse withstand voltage Uimp					
		Main conducting paths (kV)		8	
		Auxiliary circuits (kV)		4	
Rated operational voltage Ue					
		Voltage (V)		800	
Compliant with IEC /EN 60947-2 Annex H				Yes, upto 10In for 630A	Yes, upto 8In for 800A
Permissible ambient temperature range			Storage	-35 °C to +85 °C	
			Operation	-30 °C to +70°C	
Durability (Operating cycles)			Mechanical	20,000	
			Electrical at 800 V AC	2,000/1,500	
Maximum switching frequency # operations per minute				1	
Dimensions (H*W*D) (mm)			3 Pole	250*180*105	
Pole to pole distance mm (Pitch in mm)				60	
Approx weight (kg)				6.9	
IP Protection		IP		IP40(Panel cutout area)	

Overview

Protection

Protection	EasyPact Solar MCCB 400		EasyPact Solar MCCB 800
	TMD	ETU	ETU
Overload protection	Adj Thermal	Electronic	Electronic
Short-circuit protection	Adj Magnetic	Electronic	Electronic
Instantaneous Protection	Electronic		

Protection Release for MCCBs

Protection Release for MCCBs

TMD Thermal magnetic trip unit B-3

Features B-3

ETU 2.4 Electronic trip unit B-4

Features B-4

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 with thermal magnetic trip unit operates according to:

- Rated current is from 160 A to 400 A
- Using adjustablity, thermal protection of 110 A to 400 A can be achieved

Magnetic protection (Ii)

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

Protection versions

3P 3D: 3 pole frame (3P) with 100% detection on all 3 poles (3D)

Features

- Adjustable Thermal Settings
- Adjustable Magnetic Settings
- True RMS Sensing
- Ambient Temperature Compensation

Thermal magnetic trip units

Thermal protection						
	Rated current (A)	160	200	250	320	400
EasyPact Solar MCCB 400	Adjustable - 0.7 In to 1.0 In	■	■	■	■	■
Magnetic protection						
	Rated current (A)	160	200	250	320	400
EasyPact Solar MCCB 400	Adjustable - 6 In to 12 In	■	■	■	■	■

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

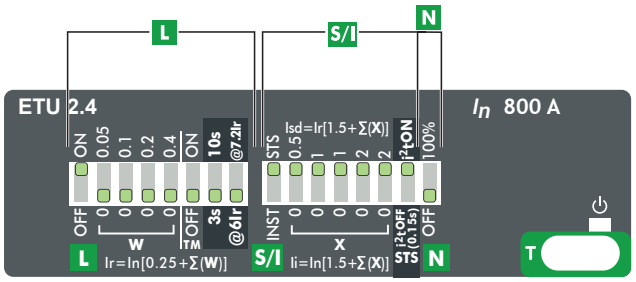
ETU 2.4 Electronic trip unit

Features

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

Features

- Wide range of overload setting from 0.25 In to 1 In
- Wide range of short circuit setting from 1.5 In to 8 In / 10 In / 12 In depending on rating
- Adjustable trip class
- 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 LSI safety characteristics are:

- Overload (L)
- Short circuit (S)
- Instantaneous (I)

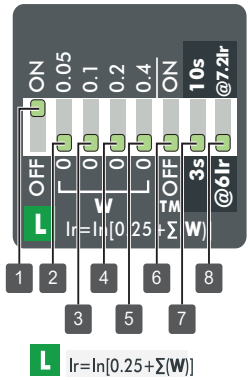
Overload (L):

1 Long time protection (Overloads) - ON/OFF

2 to 5 Ir adjustability - Ir=0.25 to 1xIn (Step of 0.05)

6 Thermal Memory - ON/OFF**

7 to 8 Time delay, Tr (Inverse) 4 different curves - 3 s or 10 s at 6xIr or 7.2xIr



Short circuit (S) / Instantaneous (I):

9 Adjustability on Instantaneous or Short Time (Short Circuit) - INST/STS

10 to 14 Ii or Isd adjustability -

Ii* = 1.5 to 8/10/12 x In (Step of 0.5)

Ti = 40 ms

or

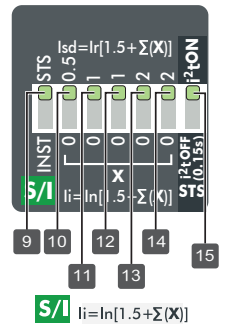
Isd*=1.5 to 8/10/12 x Ir (Step of 0.5)

Tsd = 150 ms

15 Short Time Protection mode - i^2t OFF/ i^2t ON

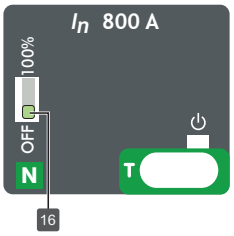
i^2t OFF = constant time curve at 150 ms

i^2t ON = inverse-time curve



No Neutral protection for 3P circuit breaker

16 To remain in OFF position



ETU 2.4 Electronic trip unit

Features

ETU 2.4 Electronic trip units		
LS/IN		
Frame	400	800
Rated Current	125 & 160 A	400 A ,500 A, 630 A & 800 A
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 12 x Ir (in step of 0.5) upto 500 A	
	1.5 to 10 x Ir (in step of 0.5) for 630 A	
	1.5 to 8 x Ir (in step of 0.5) for 800 A	
Time delay, Tsd	As per I^2T curve /150 ms	
I^2T	ON/OFF	
Instantaneous		
Current setting Ii (Ii = x In)	1.5 to 12 x In (in step of 0.5) upto 500 A	
	1.5 to 10 x In (in step of 0.5) for 630 A	
	1.5 to 8 x In (in step of 0.5) for 800 A	
No Neutral protection for 3P MCCB		
Protection Mode	OFF	

* DIP Switches values

DIP Switch No.		10	11	12	13	14	$1.5+\sum_{k=10}^{14}$
upto 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.

Functions and Characteristics

Functions and Characteristics

Accessories and Auxiliaries C-3
Internal Accessories C-3
External Accessories C-5

Internal Accessories

EasyPact Solar MCCBs offer 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):

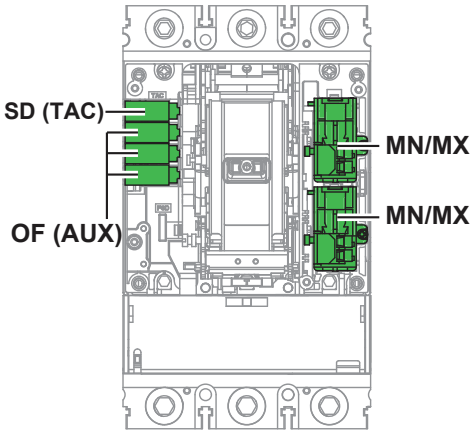
- AC 240 V max

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)
EasyPact Solar MCCB 400	3P	MN/MX	2 (Right)
		OF	3 (Left)
		SD	1 (Left)
EasyPact Solar MCCB 800	3P	MN/MX	2 (Right)
		OF	3 (Left)
		SD	1 (Left)

3P



EasyPact Solar MCCB 400 / EasyPact Solar MCCB 800

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

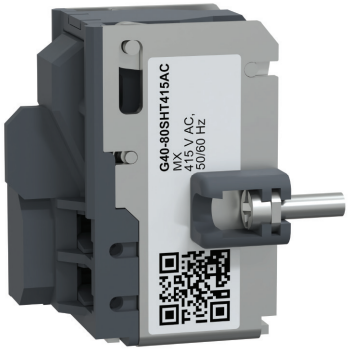
Shunt trip release (MX)

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≥0.7 x Un.

EasyPact Solar MCCB 400 and EasyPact Solar MCCB 800		
Shunt trip response voltage	Pickup (circuit breaker tripped) Us	0.7 to 1.1 Un
Power consumption in (short time) at (W/VA):	24 V DC	5
	48 V DC	
	110 V AC, 50/60 Hz	
	240 V AC, 50/60 Hz	
	415 V AC, 50/60 Hz	



Voltage release (MN)

The MN release opens the circuit breaker when its supply voltage drops to a value below 35% of its rated voltage Un.
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≤0.35 x Un.
- If the supply voltage is between 0.35 and 0.7 Un, the opening is possible, but not guaranteed. Above 0.7 Un, the opening does not take place.

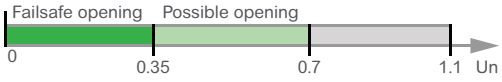
Closing conditions

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≥0.85 x Un.

Note:

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





Opening conditions of the MN release



Closing conditions of the MN release

EasyPact Solar MCCB 400 and EasyPact Solar MCCB 800		
Response voltage	Drop (circuit breaker tripped) Us	0.35 to 0.7 Un
	Pickup (circuit breaker may be switched on) Us	0.85 to 1.1 Un
Power consumption in (short time) at (W/VA):	110 V AC, 50/60 Hz	5
	240 V AC, 50/60 Hz	
	415 V AC, 50/60 Hz	

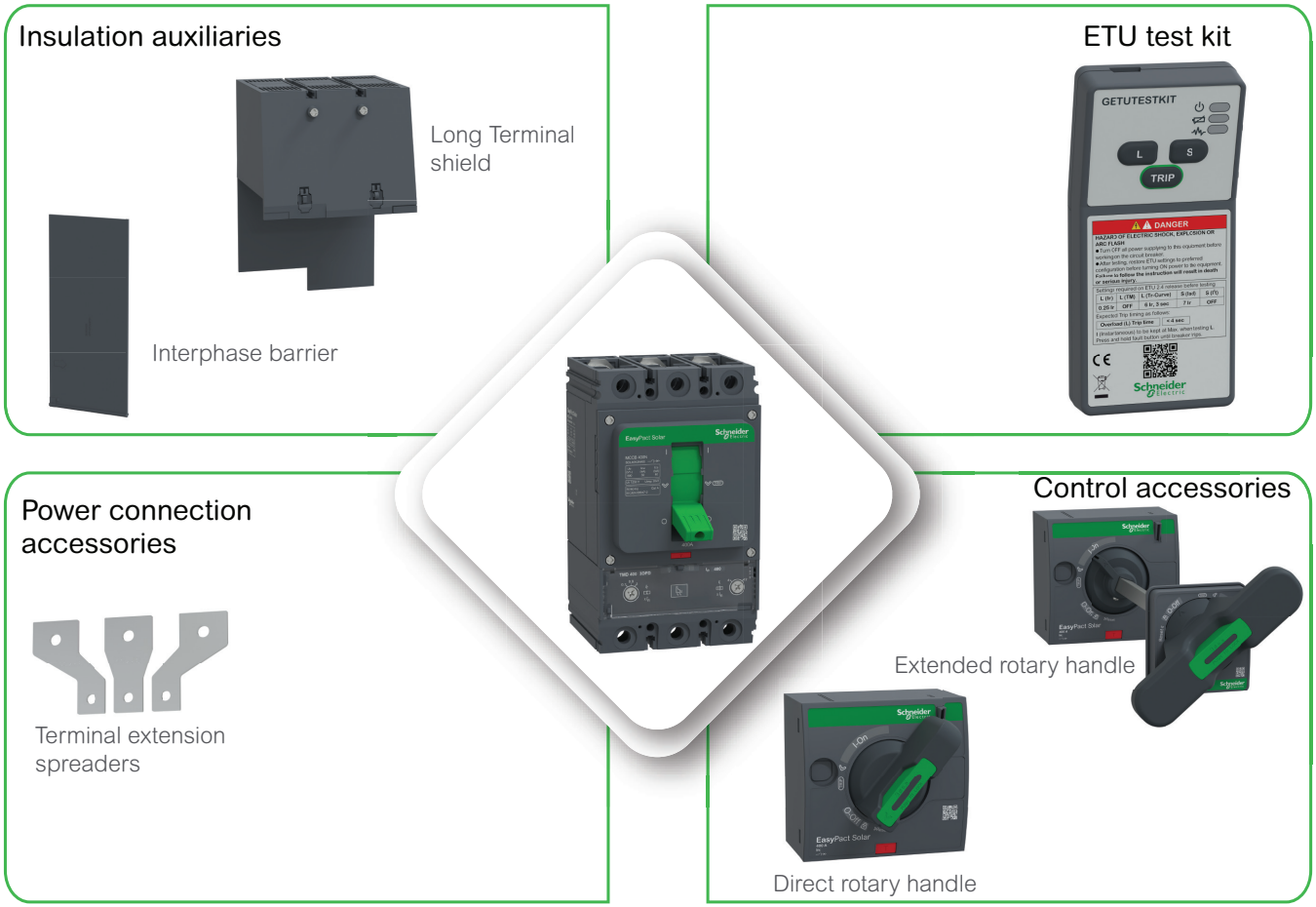


Voltage Release MN/MX



Auxiliary contact (OF/SD)

External Accessories



Rotary Handle

Rotary Handle for EasyPact Solar MCCB is 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



Direct Rotary Handle



Extended Rotary Handle

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 protection.

The test kit includes:

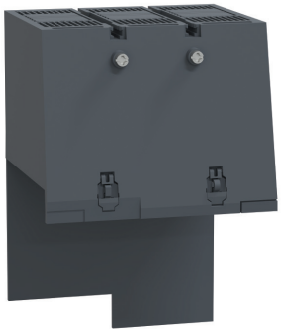
- ETU test kit remote
- 1 set of AAA batteries
- Connection wire
- Hard case for safe storage and repeatable usage of the test kit

Insulation auxilaries:

The Terminal shield are insulating and sealable insulation accessories which protect against accidental contact with main current paths. When mounted on the circuit breaker, terminal shield at the front provide degree of protection IP4x and when correctly installed at the infeed and load ends of the breaker, degree of protection IP2x. All the terminal shield have a recess on the inside face which can be drilled out if necessory so that safe isolation can be afforded by commercially avilable voltage detectors.

Long terminal shield:

The long terminal shield are required when bar extensions or external terminals (i.e. terminals which exceed the dimensions of the termination area of the molded case circuit breaker) are installed. The long terminal shield consists of two parts, an insulating plate and the top half of the terminal shield. Both parts are attached by screw and thus afford the degree of protection.



Long Terminal shield

Insulation Plate:

The purpose of insulating plates is to insulate the main terminals of the molded case circuit breaker from the mounting plate(cubicle).

- Insulating plate: in combination with bar extensions.
- Insulating plate brodened: in combination with brodened connection bars.



Interphase Barrier

Dimensions

Dimensions

EasyPact Solar MCCB 400 ..... D-3
MCCB and Terminal extension spreaders..... D-3
Mounting holes and Front-panel cutouts..... D-4
EasyPact Solar MCCB 800 ..... D-5
MCCB and Terminal extension spreaders..... D-5
Mounting holes and Front-panel cutouts..... D-7
Direct Rotary handle D-8
Extended Rotary handle D-9
Long Terminal Shield D-11
Interphase barriers D-11

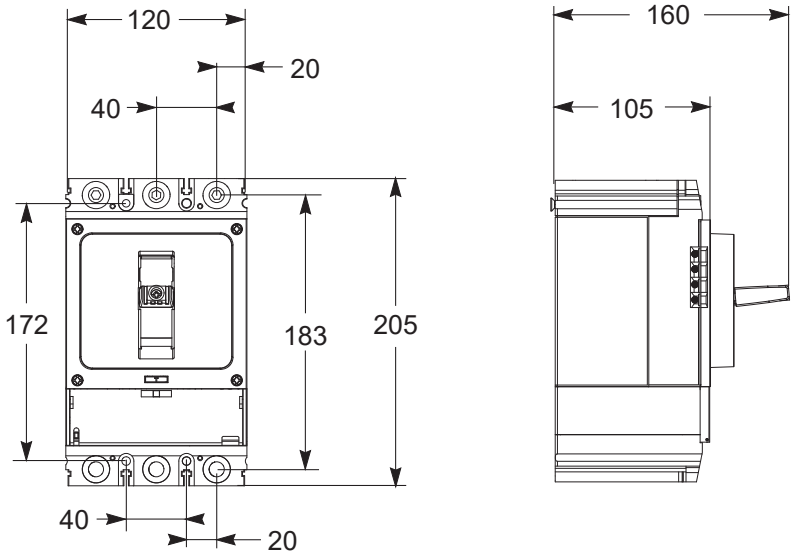
EasyPact Solar MCCB 400

MCCB and Terminal extension spreaders

MCCB

mm

3 Pole

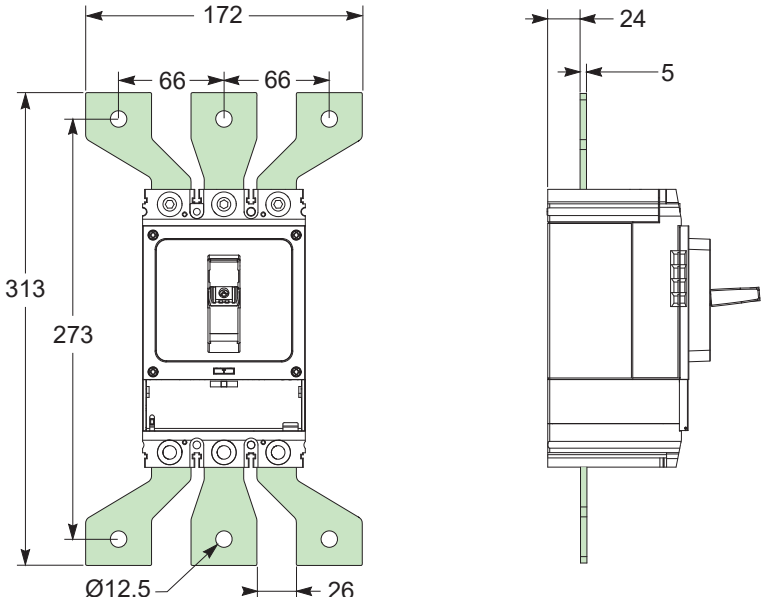


Terminal extension spreaders

mm

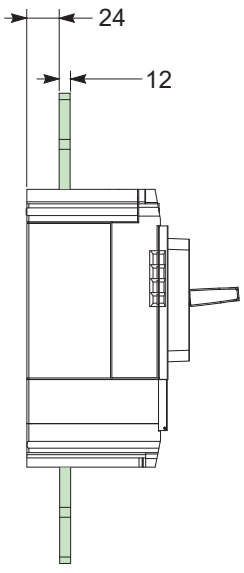
3 Pole

125,160,200,250 A



3 Pole

320 A, 400 A

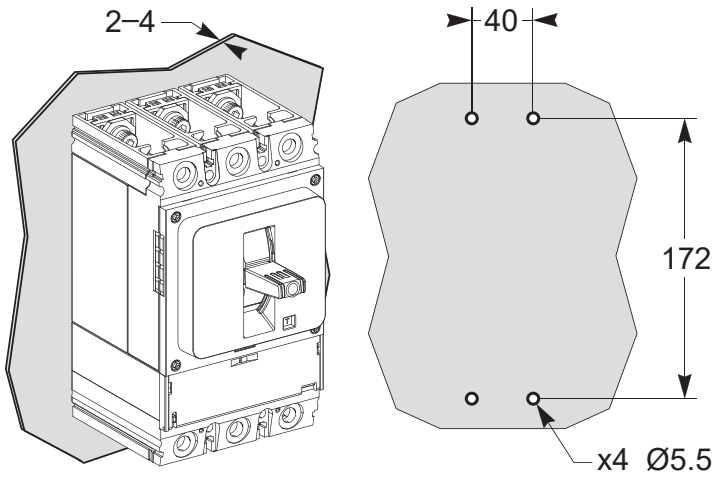


EasyPact Solar MCCB 400

Mounting holes and Front-panel cutouts

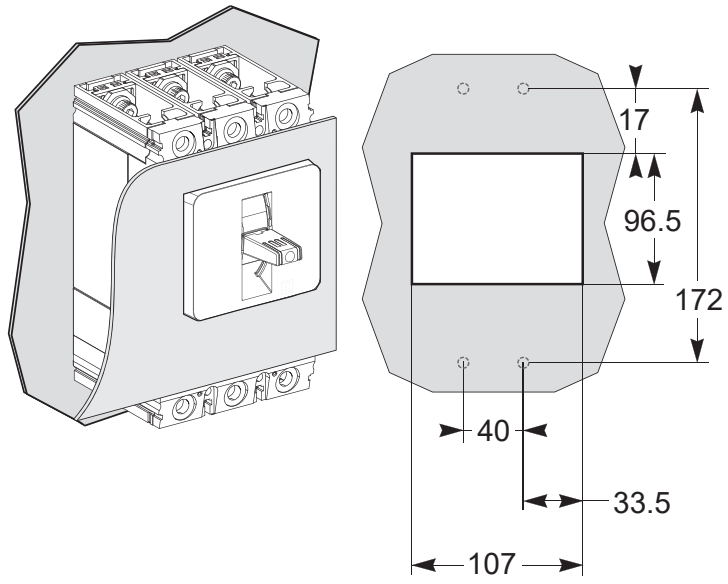
Mounting holes

mm
3 Pole



Front-panel cutouts

mm
3 Pole

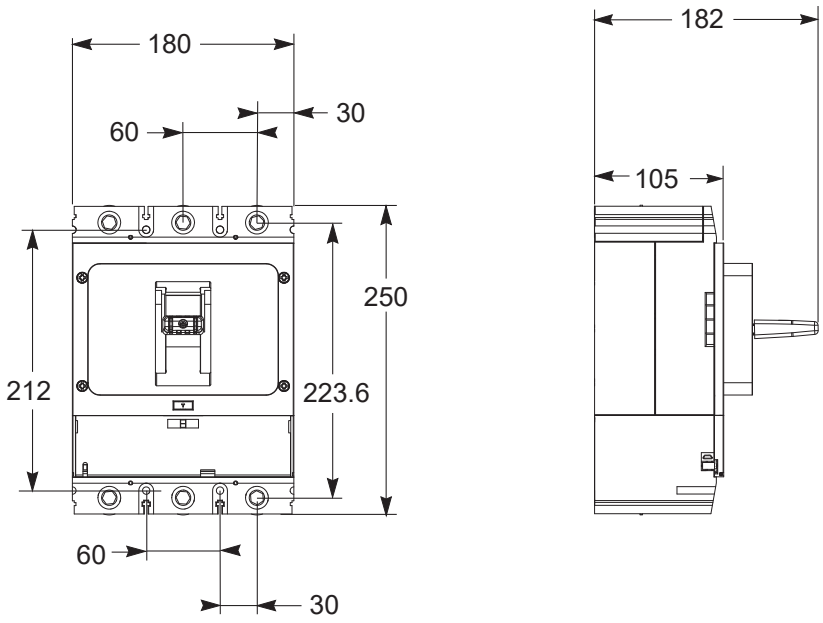


EasyPact Solar MCCB 800

MCCB and Terminal extension spreaders

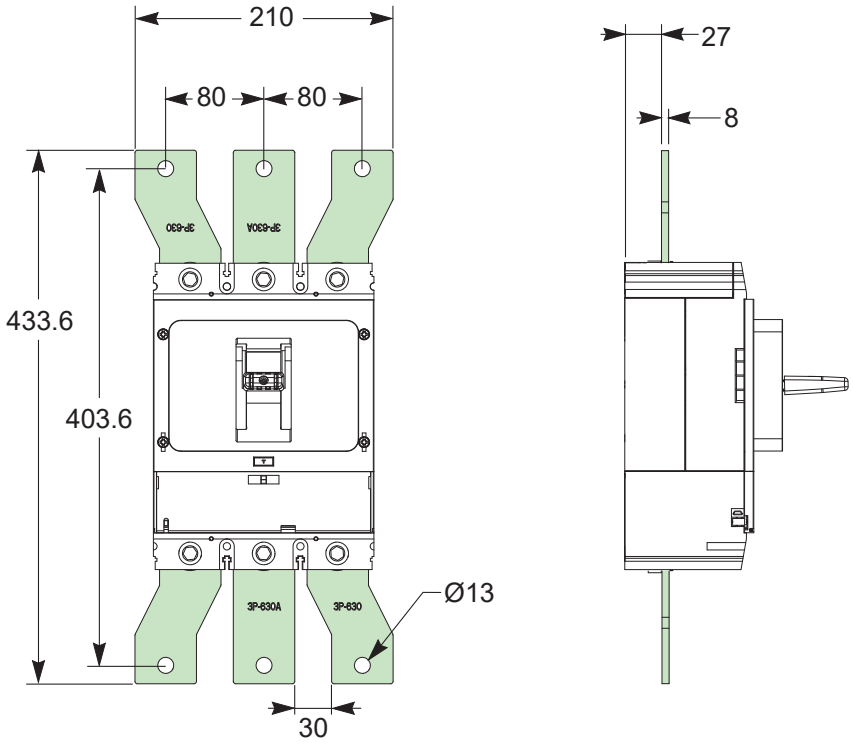
MCCB

mm
3 Pole



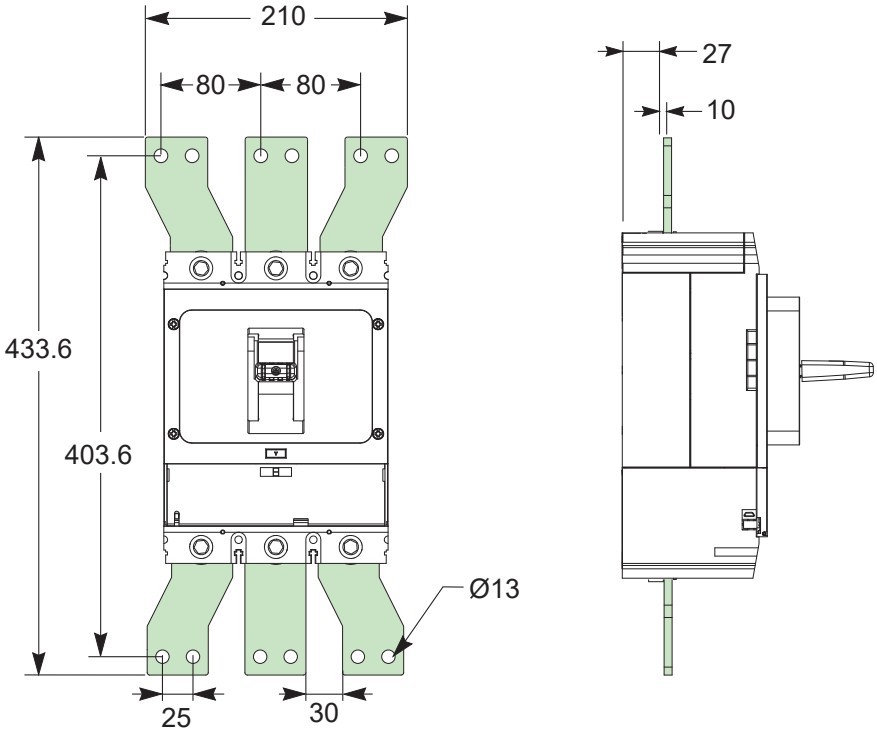
Terminal extension spreaders (400 - 500 A)

mm
3 Pole



Terminal extension spreaders (630 - 800 A)

mm
3 Pole



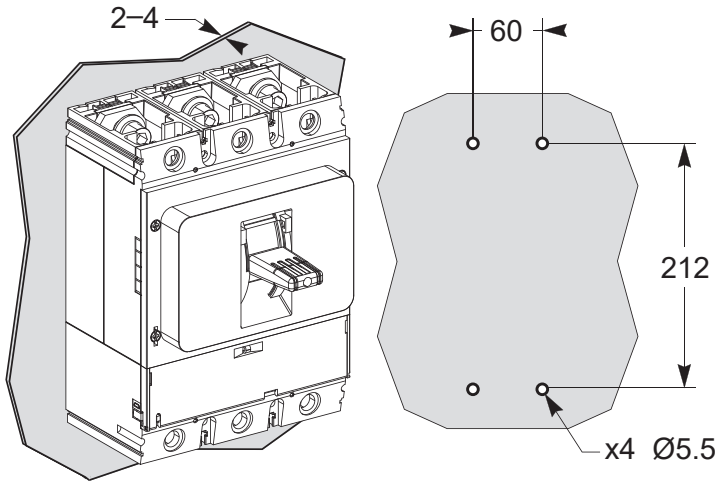
EasyPact Solar MCCB 800

Mounting holes and Front-panel cutouts

Mounting holes

mm

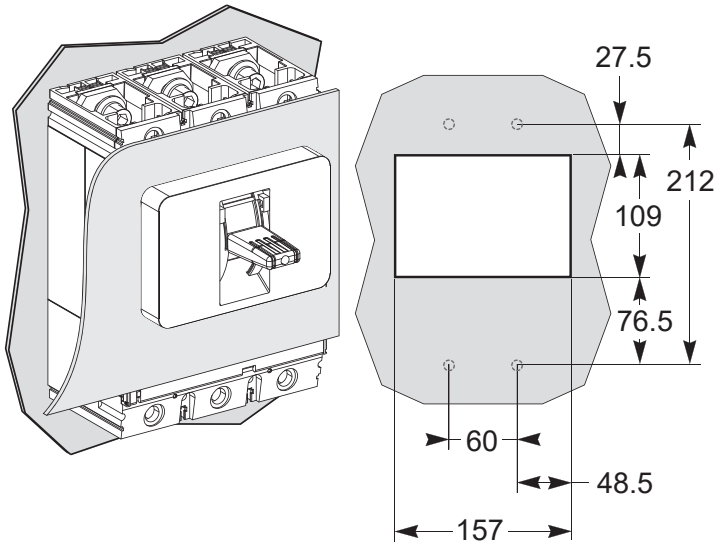
3 Pole



Front-panel cutouts

mm

3 Pole

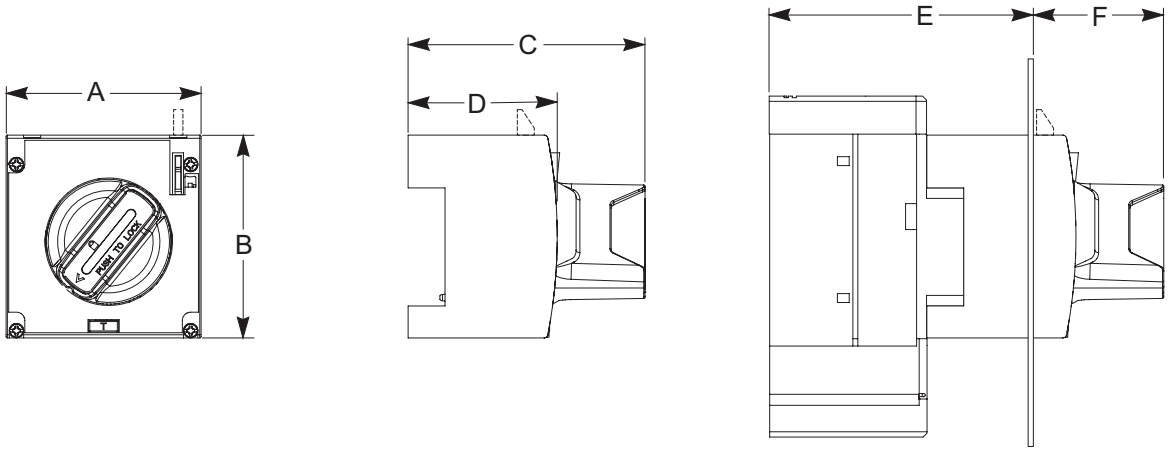


Direct Rotary Handle

Dimensions and Front-panel cutouts

Direct rotary handle

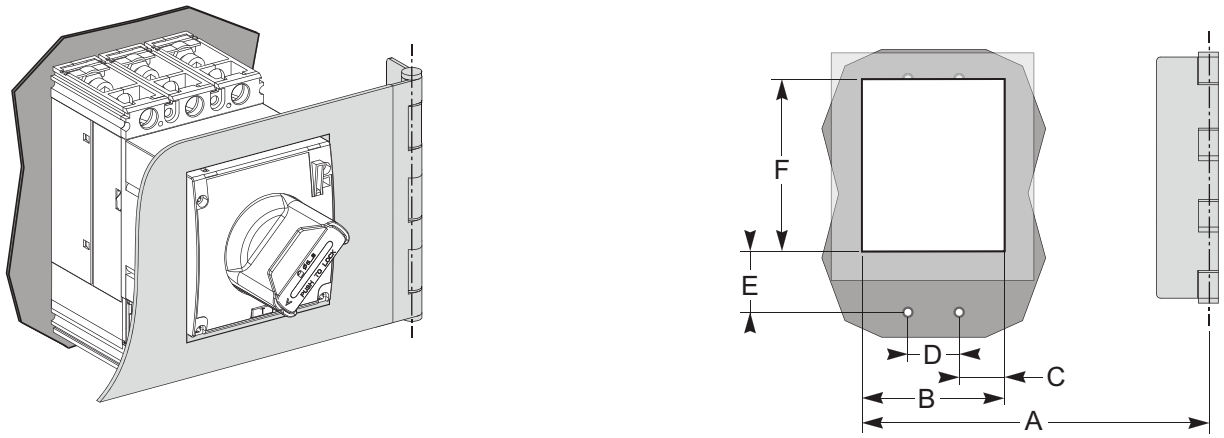
mm
3 Pole



mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	120	180
B	113.2	140
C	116.5	129.5
D	75.38	77.2
E	140.3	134.7
F	80	98.3

Front-panel cutouts

mm
3 Pole



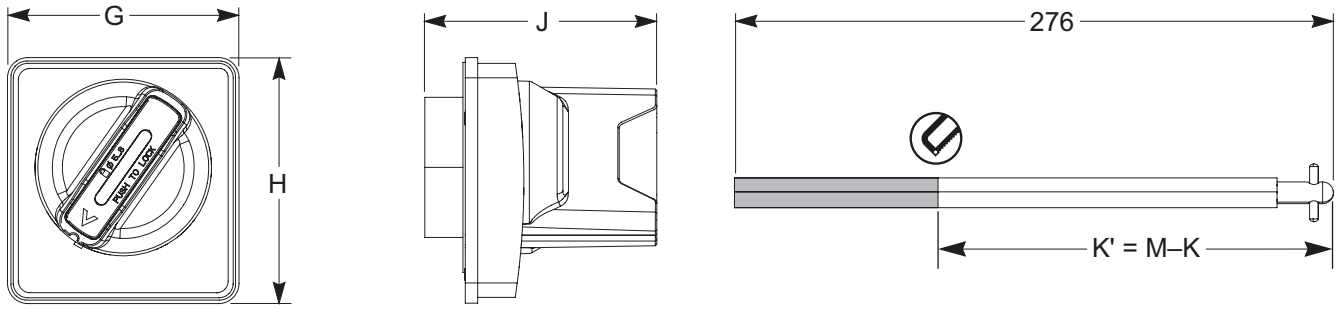
mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	218.5	235
B	137	170
C	48.5	55
D	40	60
E	43.3	59
F	123.3	144

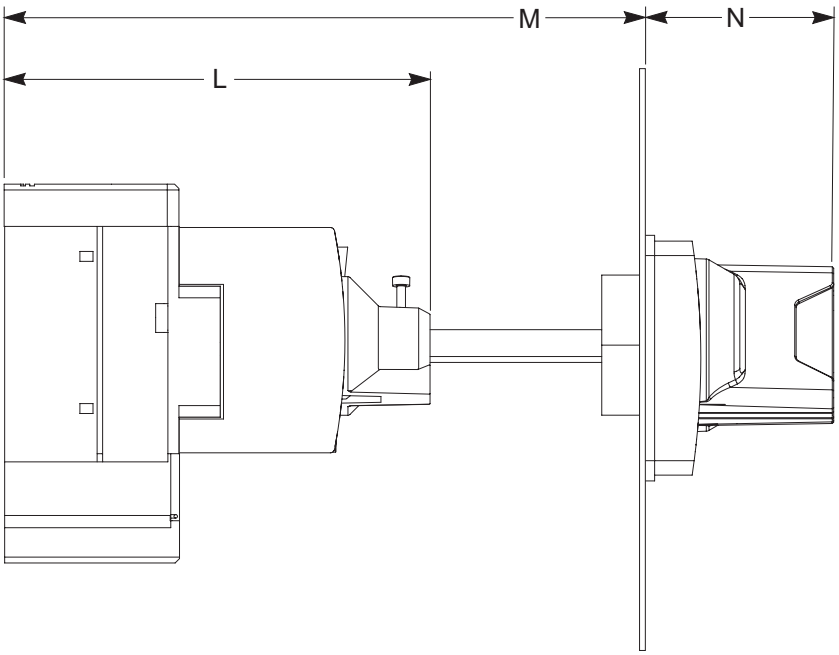
Extended Rotary Handle

Dimensions

Extended rotary handle

mm
3 Pole

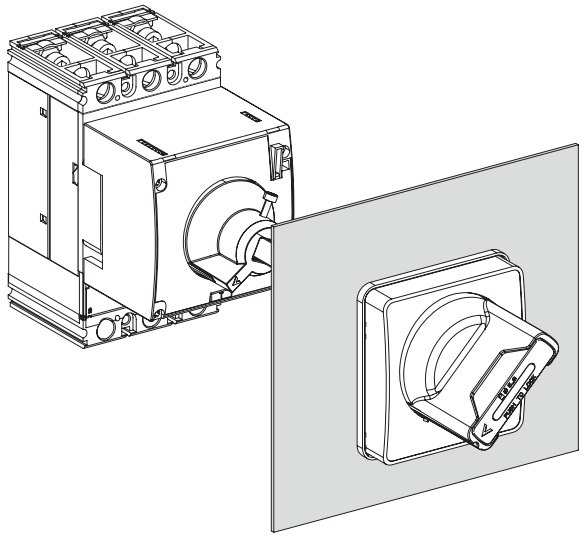


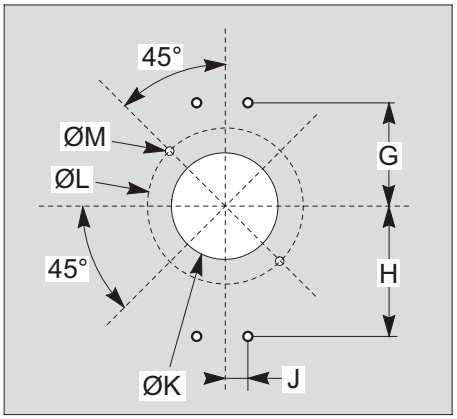


mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
G	80	80
H	85	85
J	80.3	80.3
K	160.2	172.4
L	205.5	217.7
M (Minimum)	229	241.2
M (Maximum)	433.5	445.7
N	67	67

Front-panel cutouts

mm
3 Pole



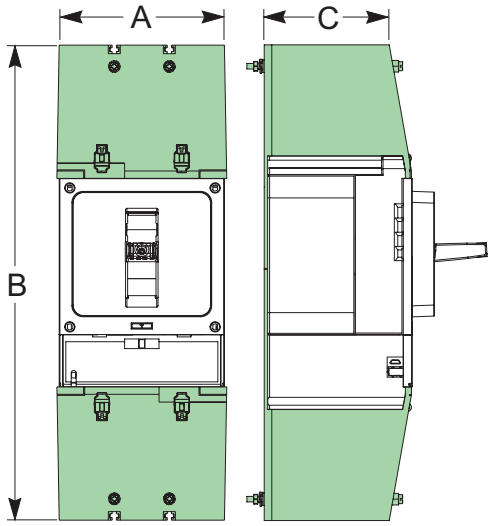


mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
G	67	81
H	105	131.2
J	19	30
ØK	51	51
ØL	76	76
ØM	4.5	4.5

Long Terminal Shield & Interphase barriers

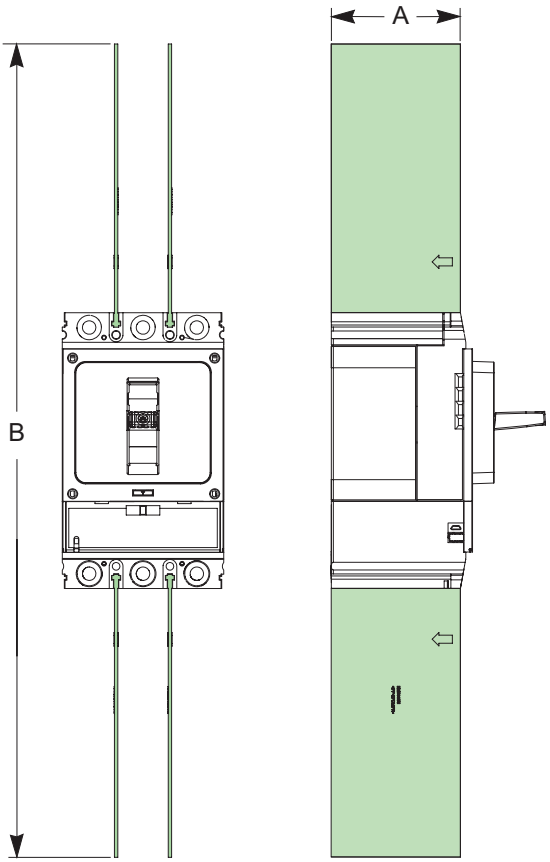
Dimensions

Long Terminal Shield



mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	120	180
B	345	390
C	107.5	107.5

Interphase Barriers



mm	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	96	96
B	605	650

Technical Data Supplement

Technical Data Supplement

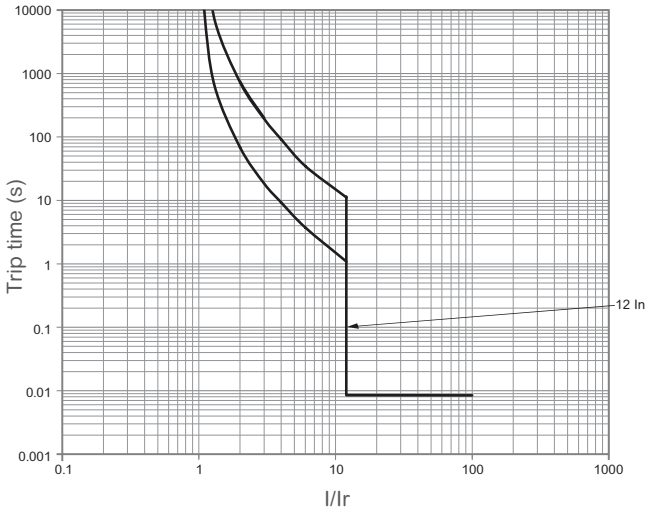
Tripping curves E-3
Thermal Magnetic trip unit..... E-3
ETU 2.4 Electronic trip unit E-4
Current curves E-5
Energy curves E-6

Technical Data Supplement

Tripping Curves

Thermal Magnetic trip unit

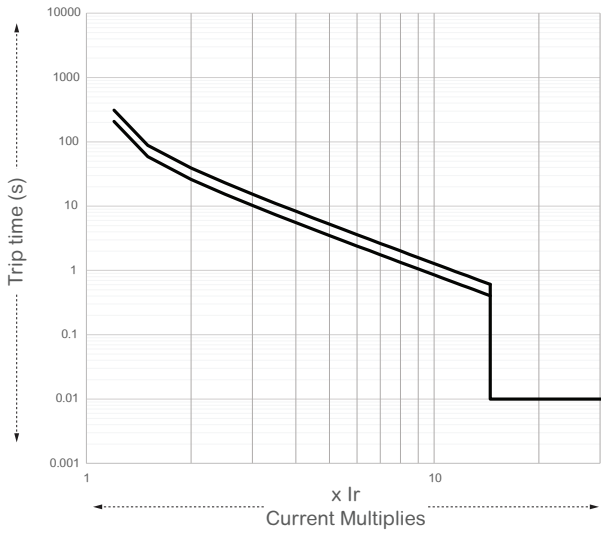
EasyPact Solar MCCB 160 to 400



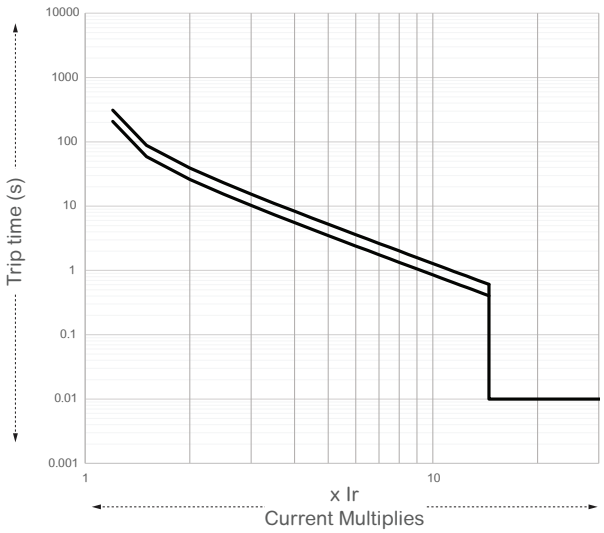
Tripping Curves

ETU Electronic trip unit

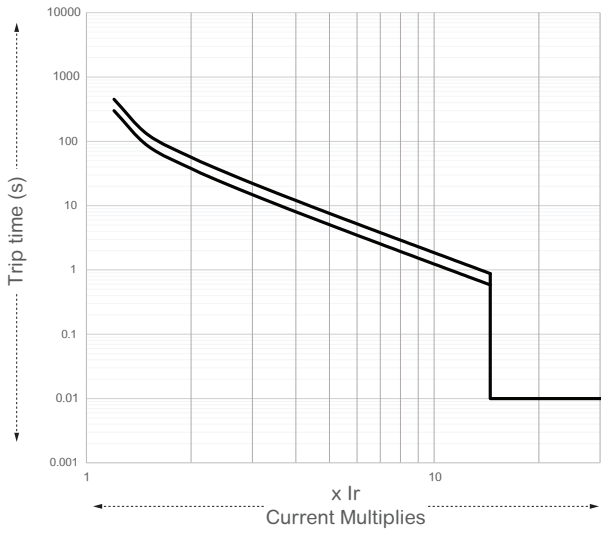
LTS 6IR-3SEC



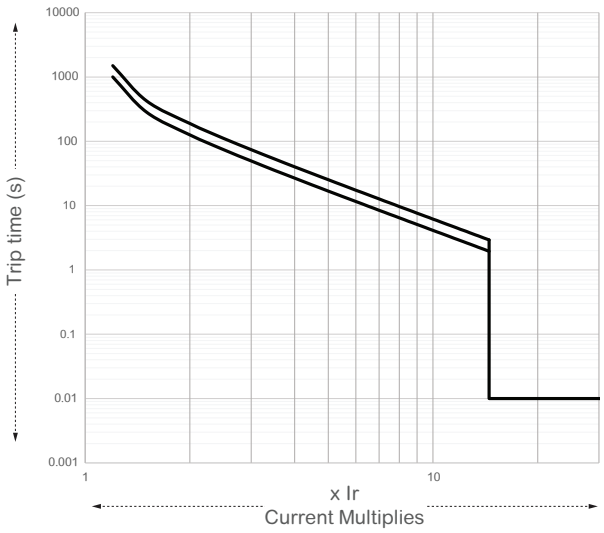
LTS 6IR-10SEC



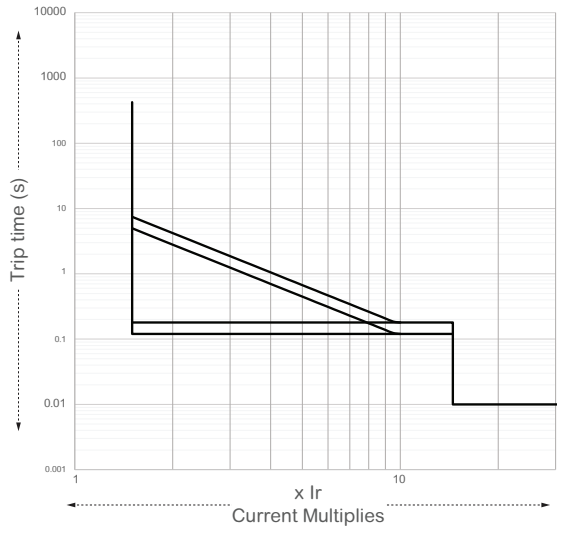
LTS 7.2IR-3SEC



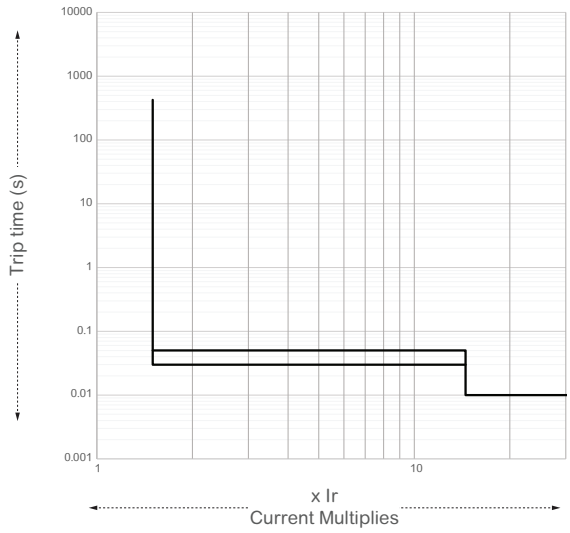
LTS 7.2IR-10SEC



STS I^2T ON-OFF



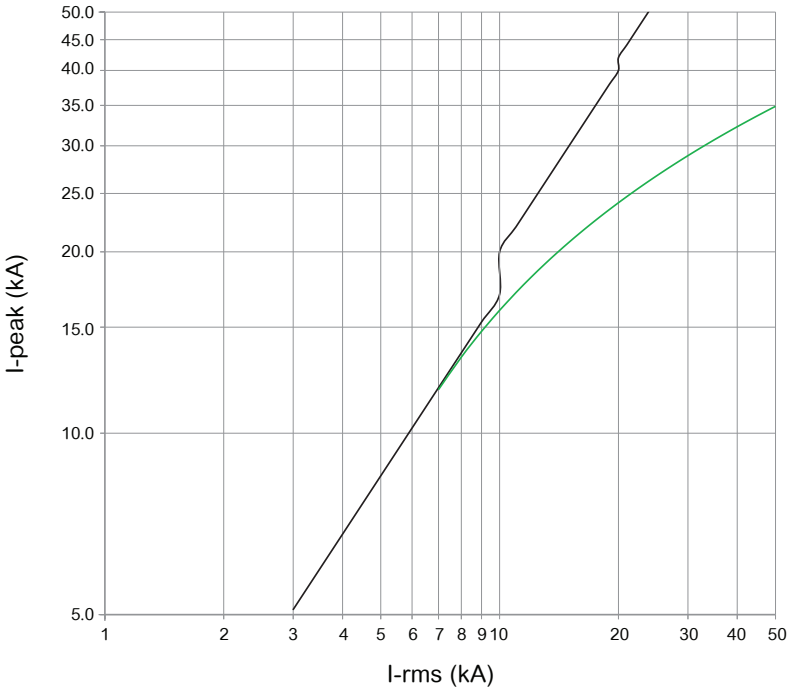
Instantaneous



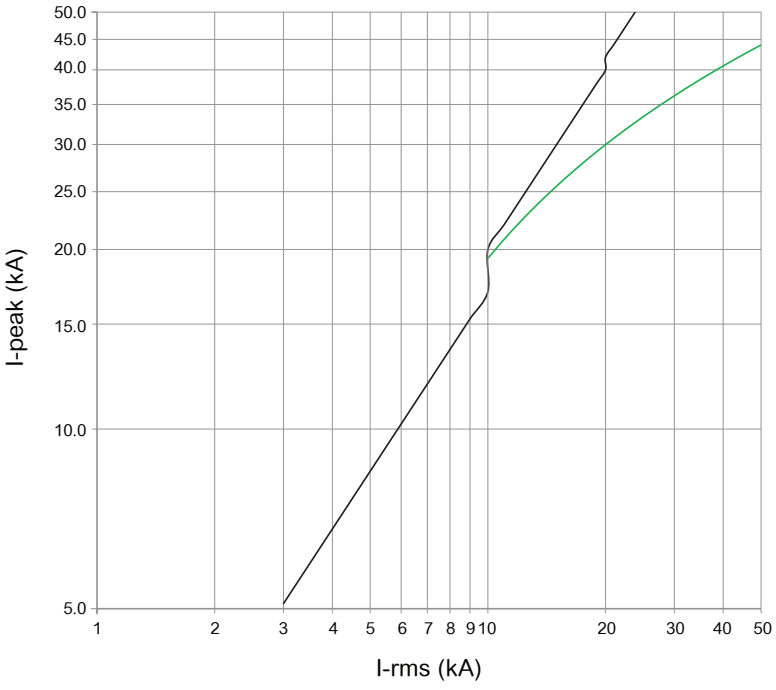
Current Curves

EasyPact Solar MCCBs

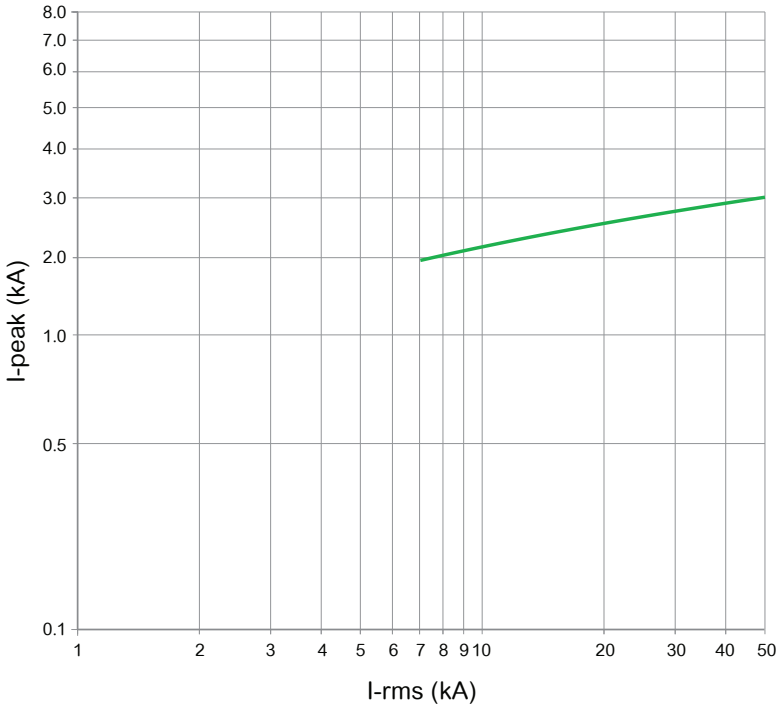
EasyPact Solar MCCB 400



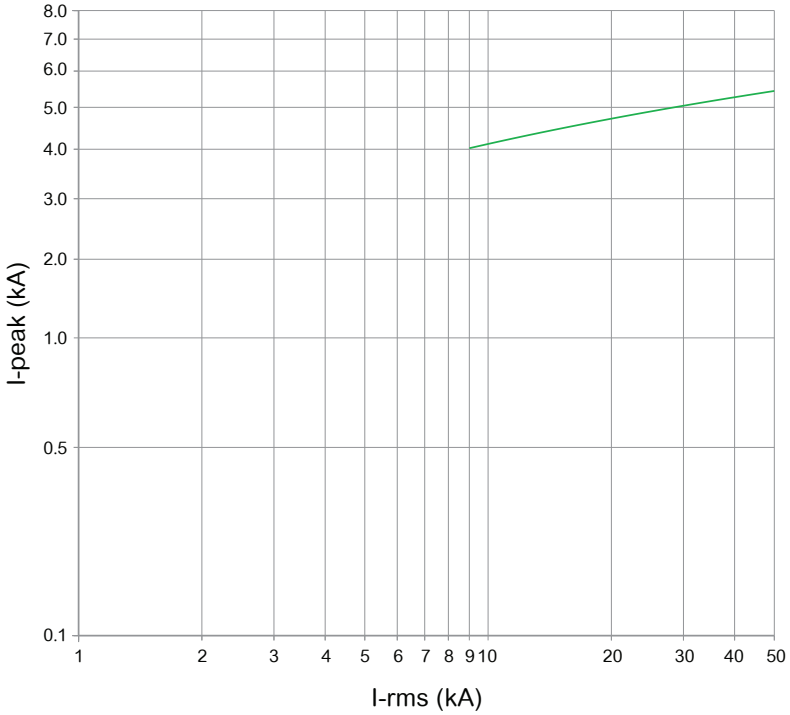
EasyPact Solar MCCB 800



EasyPact Solar MCCB 400



EasyPact Solar MCCB 800



Commercial References

Commercial References

Reference IDs F-3
EasyPact Solar MCCB F-3
Accessories F-4

Reference IDs

EasyPact Solar MCCB

EasyPact Solar Molded Case Circuit Breaker 400



		Thermal magnetic
Breaking capacity at 800 V AC	Rating	3P3D
25 kA = B	160 A	SOL40B3A160
	200 A	SOL40B3A200
	250 A	SOL40B3A250
	320 A	SOL40B3A320
	400 A	SOL40B3A400
36 kA = F	160 A	SOL40F3A160
	200 A	SOL40F3A200
	250 A	SOL40F3A250
	320 A	SOL40F3A320
	400 A	SOL40F3A400
50 kA = N	160 A	SOL40N3A160
	200 A	SOL40N3A200
	250 A	SOL40N3A250
	320 A	SOL40N3A320
	400 A	SOL40N3A400



		Electronic
Breaking capacity at 800 V AC	Rating	3P3D
25 kA = B	125 A	SOL40B3E125
	160 A	SOL40B3E160
36 kA = F	125 A	SOL40F3E125
	160 A	SOL40F3A160
50 kA = N	125 A	SOL40N3E125
	160 A	SOL40N3E160

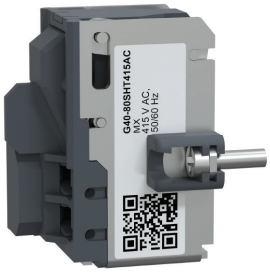
EasyPact Solar Molded Case Circuit Breaker 800



		Electronic
Breaking capacity at 800 V AC	Rating	3P3D
36 kA = F	400 A	SOL80F3E400
	500 A	SOL80F3E500
	630 A	SOL80F3E630
	800 A	SOL80F3E800
50 kA = N	400 A	SOL80N3E400
	500 A	SOL80N3E500
	630 A	SOL80N3E630
	800 A	SOL80N3E800

Voltage release (MN) / Shunt trip (MX)





EasyPact Solar MCCB 400-800 AC/DC 50/60Hz MN	
Rating	MN
110 V	G40-80UVR110AC
240 V	G40-80UVR240AC
415 V	G40-80UVR415AC
EasyPact Solar 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

Auxiliary contact (OF/SD)



Auxiliary contact (OF/SD) EasyPact Solar MCCB 400-800	
Rating	
240 V	G40-80AUX240

Rotary Handle



Direct
Rotary handle



Extended
Rotary handle

	Direct	Extended
EasyPact Solar MCCB 400	SOL40ROTDS	SOL40ROTE
EasyPact Solar MCCB 800	SOL80ROTDS	SOL80ROTE

Interphase Barriers



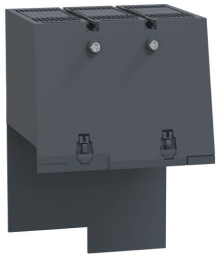
EasyPact Solar MCCB 400-800	SOL40-80FASB2

- Set of 2 numbers.

Reference IDs

Accessories

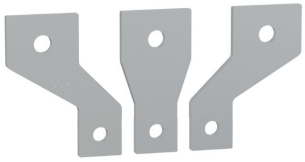
Terminal shield



EasyPact Solar MCCB 400	SOL40LTSHD
EasyPact Solar MCCB 800	SOL80LTSHD

- Set of 2 numbers.

Terminal Extension Spreaders



Terminal extension spreaders EasyPact Solar 400	
Thickness	
5 mm	SOL40SPDR3P05
12 mm	SOL40SPDR3P12
Terminal extension spreaders EasyPact Solar 800	
Thickness	
8 mm	SOL80SPDR3P08
10 mm	SOL80SPDR3P10

- 3P includes 6 number, one for each pole

ETU Test kit with hard case for storage



EasyPact Solar MCCB 800(ETU)	GETUTESTKIT

Life Is On | Schneider Electric

Schneider Electric Industries SAS

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

RCS Nanterre 954 503 439
Capital social 896 313 776 €
www.se.com

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