

Easy Series

EasyPact™ Solar MCCB

Catalog 2026

Molded-Case Circuit Breaker
from 125 to 800 A

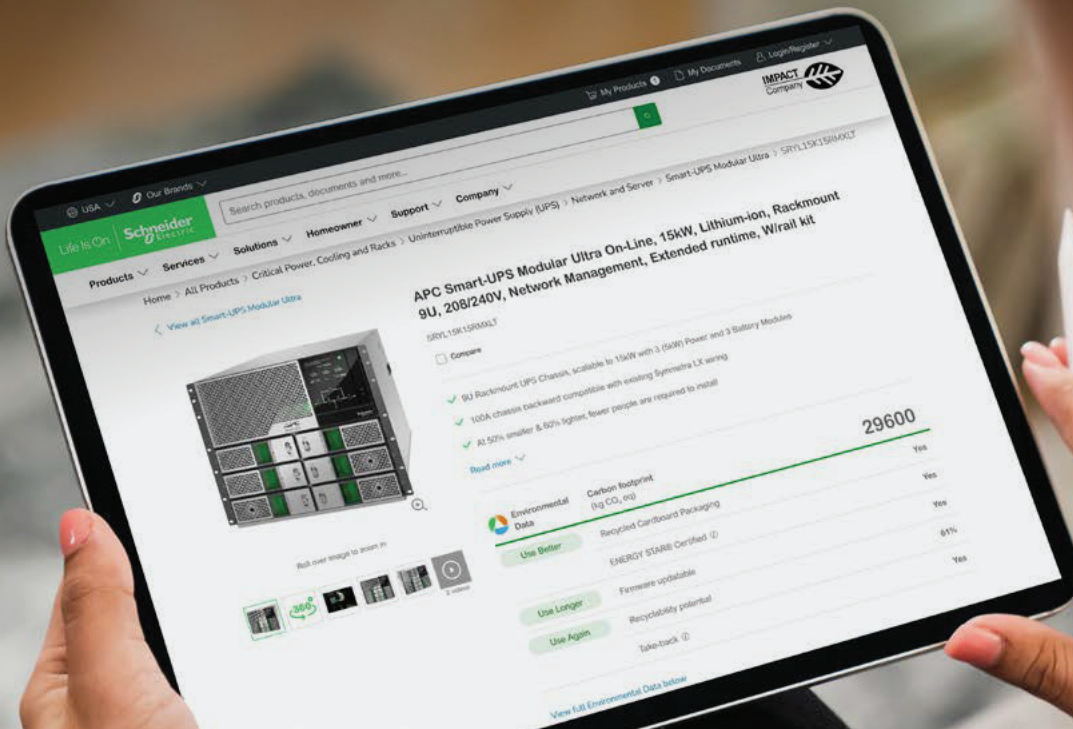


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Electric™



Environmental Data Program

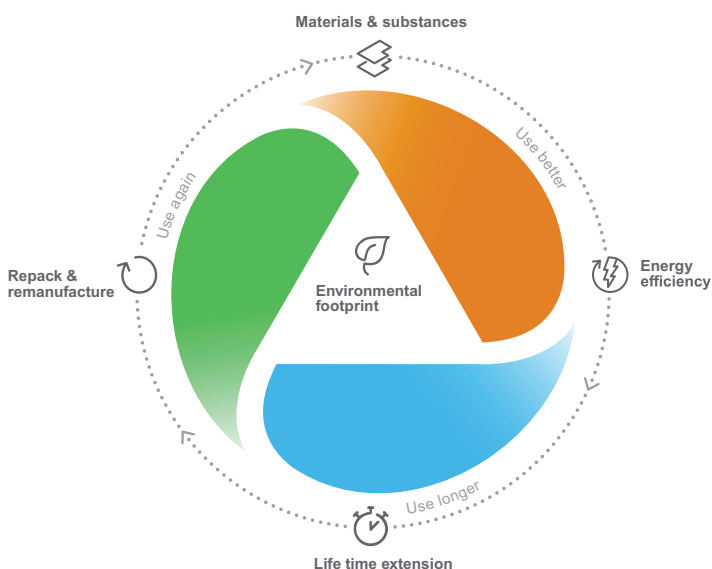


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.

Use Longer: How a product's life time can be effectively extended in terms of reparability and updatability.

Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back.

With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

All our hardware offers have an associated environmental data available on se.com product pages.



Learn more about the
Environmental Data Program

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



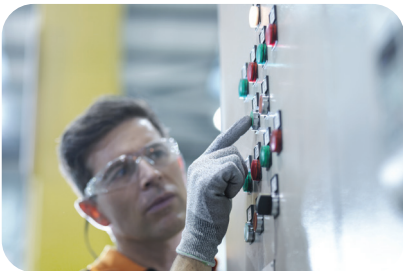
Panel Builders

- Complete range from 125...800 A consists of two uniquely sized MCCBs
- Complete portfolio of accessories: Electrical auxiliaries, Insulation auxiliaries, Connection accessories, Control accessories, and Internal accessories
- Built-in trip unit



Contractors

- Sufficient pole pitch helps to terminate copper busbars or cables
- Simple product selection with 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 assurance
- 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.



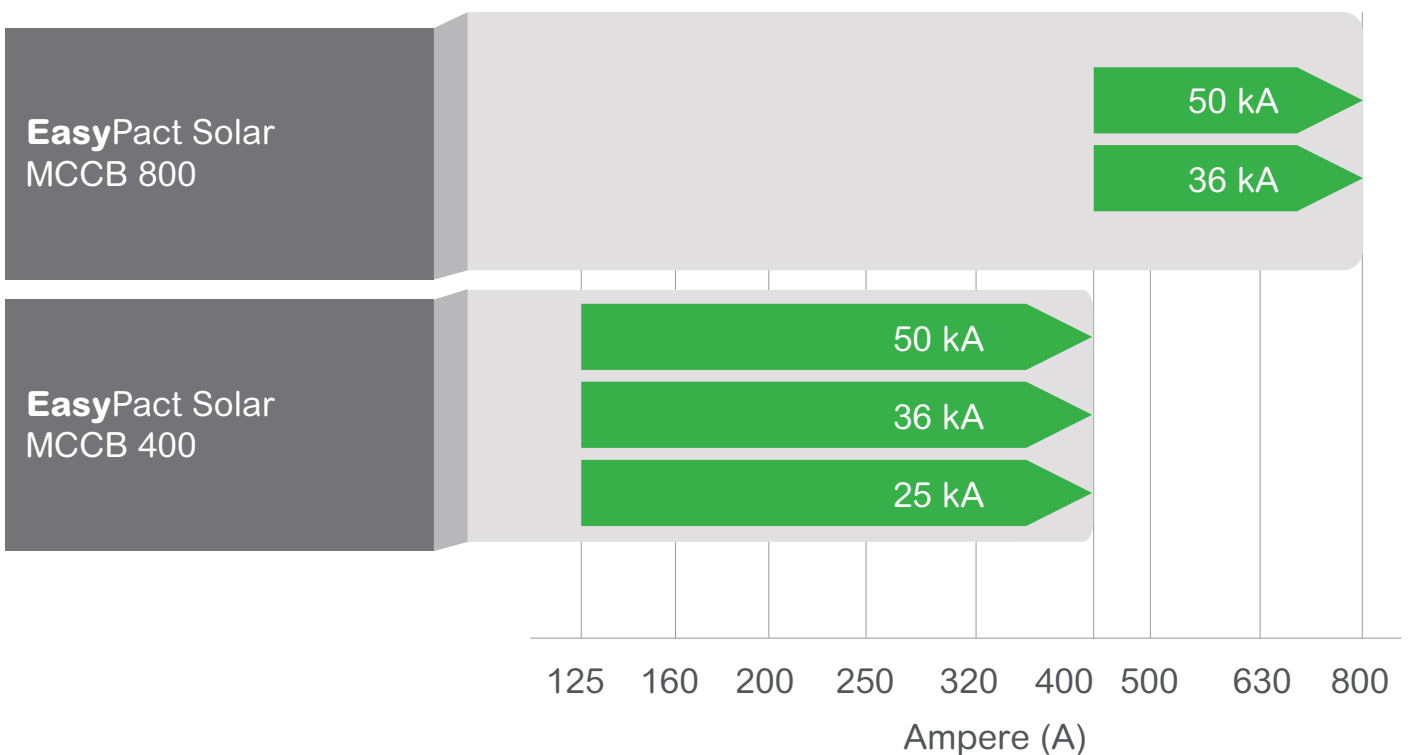
Timely delivery,
wherever you are

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

EasyPact Solar MCCB Offers Enhanced Features

- Current ratings ranges from 125 A, 160 A, 200 A, 250 A, 320 A, 400 A, 500 A, 630 A, and 800 A
- Thermal magnetic trip unit from 160 A, 200 A, 250 A, 320 A, and 400 A
- Electronic trip unit from 125 A, 160 A, 400 A, 500 A, 630 A, and 800 A
- Wide range of accessories

Rated Ultimate Breaking Capacity at 800 V AC



Comprehensive Portfolio of Accessories



Direct Rotary Handle



Extended Rotary Handle



MN/MX



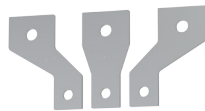
Long Terminal Shield



OF/SD



Interphase Barrier



Terminal Extension Spreaders

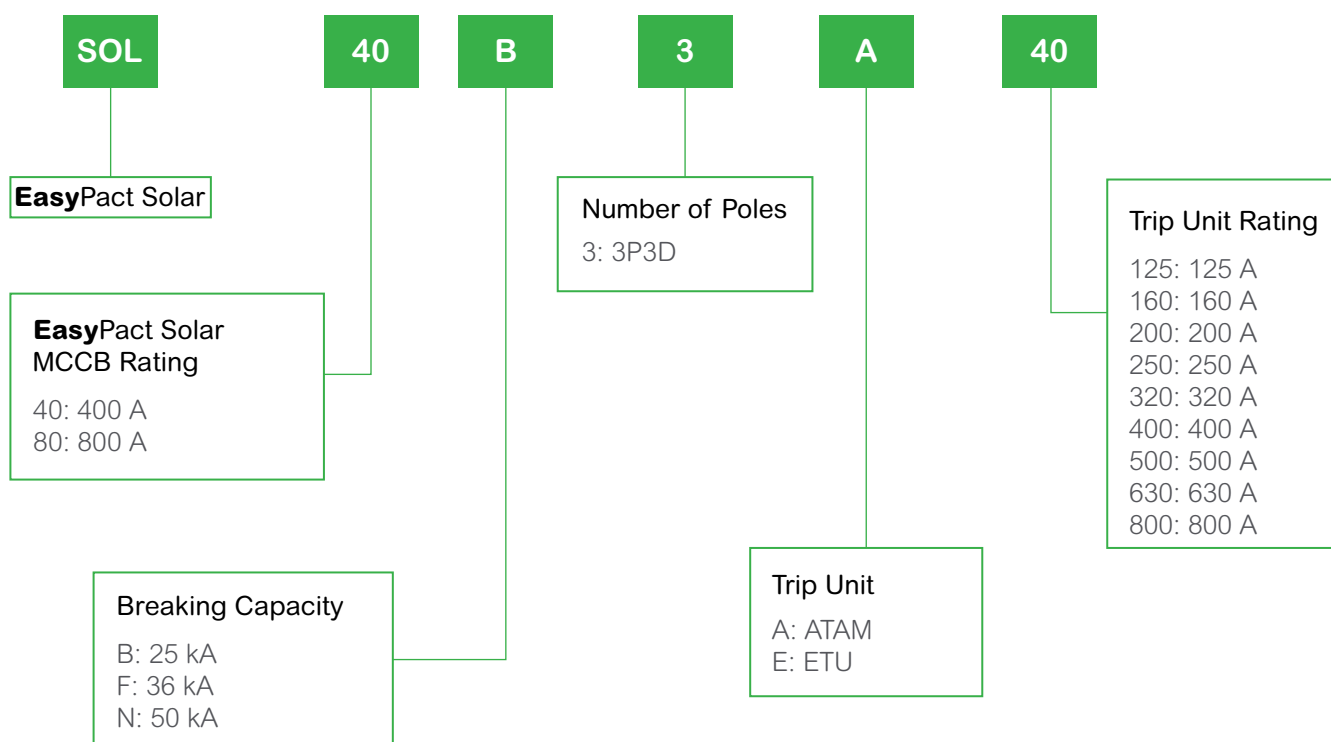


ETU Test Kit

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.



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.



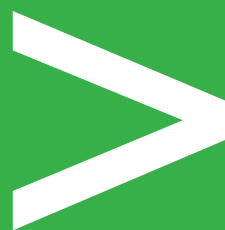


General Contents

EasyPact Solar MCCB

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Introduction



Introduction

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Introduction

Overview

Features



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.

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 and **EasyPact** Solar MCCB 800 equipped with electronic trip unit offers advanced protection.

Features

- Double break contact system for all **EasyPact** Solar MCCB 400 and **EasyPact** Solar MCCB 800
- Range from 125 A, 200 A, 250 A, 320 A, 400 A, 630 A, and 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

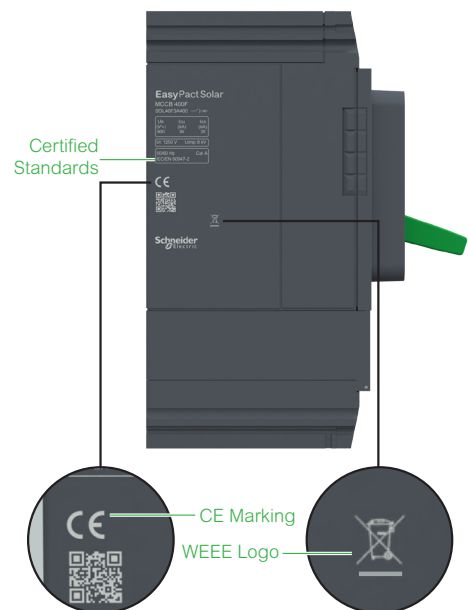
EU Declaration of Conformity

Environment

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

WEEE Directive

EasyPact Solar MCCB series complies the European directives 2014/35/EU concerning on managing the waste of electrical and electronic equipment.



EasyPact Solar MCCB 400

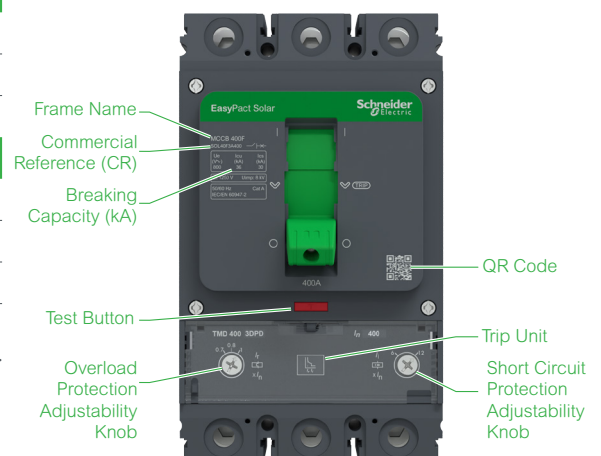
Trip unit	TMD Adjustable & ETU
Current rating	125...400 A
Breaking capacity (Icu) at 800 V AC	25...50 kA

EasyPact Solar MCCB 800

Trip unit	ETU
Current rating	400...800 A
Breaking capacity (Icu) at 800 V AC	36...50 kA

EasyPact Solar MCCB does not provide selectivity or cascading table. Contact your sales representative or customer care center for more information.

WEEE: Waste Electrical and Electronic Equipment



To simplify and expedite the ordering of **EasyPact** Solar MCCB, new tools are introduced:

- **Product Selector**

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

- **MySE**

Online ordering platform of Schneider Electric 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, and 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 Electric 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](#), select your location and search for the **EasyPact** Solar MCCB



Introduction

Overview

Technical Datasheet

EasyPact Solar MCCB 400				125...400 A		
Breaking capacity levels				B	F	N
Poles				3P		
Breaking capacity (kA rms) at 50/60 Hz						
IS/IEC 60947-2, IEC 60947-2, EN 60947-2		Ue 800 V AC	Icu Ics	25 kA 25 kA	36 kA 30 kA	50 kA 40 kA
Rated current				125 ⁽¹⁾ /160/200/250/320/400 A		
Utilisation category				Cat A		
Maximum rated operational current (In)			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	8 kV			
		Auxiliary circuits	4 kV			
Rated operational voltage (Ue)						
		Voltage	800 V			
Compliant with IEC /EN 60947-2 Annex H				Yes, up to 12 In		
Permissible ambient temperature range			Storage	-35...+85 °C		
			Operation	-30...+70 °C for ETU -10...+50 °C 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 x W x D			3 Pole	205 x 120 x 105 mm		
Pole to pole distance (Pitch)				40 mm		
Approx Weight				3.4 kg		
IP Protection				IP40 (Panel cutout area)		

⁽¹⁾ 125 A is available only in ETU 2.4 release

⁽²⁾ When the operating temperature lower than -10 °C, the space heater must be utilized for temperature control. The space heater must be set to maintain the range of -10...0 °C inside enclosure.

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

Introduction

Overview

Technical Datasheet

EasyPact Solar MCCB 800			630...800 A	
Breaking capacity levels			F	N
Poles			3P	
Breaking capacity (kA rms) at 50/60 Hz				
IS/IEC 60947-2, IEC 60947-2, EN 60947-2	Ue 800 V AC	Icu Ics	36 kA 30 kA	50 kA 40 kA
Rated current		ETU	630/800 A	
Utilisation category			Cat A	
Maximum rated operational current (In)		Fixed (3P)	800 A	
Rated insulation voltage (Ui)				
		Main conducting paths	1250 V	
		Auxiliary circuits	440 V	
Rated impulse withstand voltage (Uimp)				
		Main conducting paths	8 kV	
		Auxiliary circuits	4 kV	
Rated operational voltage (Ue)				
		Voltage	800 V	
Compliant with IEC /EN 60947-2 Annex H			Yes, up to 10 In for 630 A	Yes, up to 8 In for 800 A
Permissible ambient temperature range		Storage	-35...+85 °C	
		Operation	-30...+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 x W x D		3 Pole	250 x 180 x 105 mm	
Pole to pole distance (Pitch)			60 mm	
Approx weight			6.9 kg	
IP Protection			IP40 (Panel cutout area)	

Overview

Protection

Protection	EasyPact Solar MCCB 400		EasyPact Solar MCCB 800
	TMD	ETU	ETU
Overload Protection	Adjustable Thermal	Adjustable	Adjustable
Short-Circuit Protection	Adjustable Magnetic	Adjustable	Adjustable
Instantaneous Protection	–	Adjustable	

EasyPact Solar MCCB Selection Based on Inverter (kW)

Frame	Current (A)	Inverter (kW)					
		100 kW	185 kW	200 kW	250 kW	300 kW	350 kW
EasyPact Solar MCCB 400	Single Inverter (A)	72	134	144	180	217	253
EasyPact Solar MCCB 400	Double Inverter (A)	144	267	289	–	–	–
EasyPact Solar MCCB 400	Triple Inverter (A)	217	–	–	–	–	–
EasyPact Solar MCCB 400	Quadruple Inverter (A)	289	–	–	–	–	–
EasyPact Solar MCCB 800	Single Inverter (A)	–	–	–	–	–	–
EasyPact Solar MCCB 800	Double Inverter (A)	–	–	–	361	433	505
EasyPact Solar MCCB 800	Triple Inverter (A)	–	401	433	541	–	–
EasyPact Solar MCCB 800	Quadruple Inverter (A)	–	534	577	–	–	–

Protection Release for MCCBs



Protection Release for MCCBs

TMD Thermal Magnetic Trip Unit	B-3
ETU 2.4 Electronic Trip Unit	B-4

Protection Release for MCCBs

TMD Thermal Magnetic Trip Unit

Features

- Adjustable thermal settings
- Adjustable magnetic settings
- Ambient temperature compensation

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 160 A, 200 A, 250 A, 320 A, and 400 A
- Using adjustability, thermal protection of 70...100% 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)

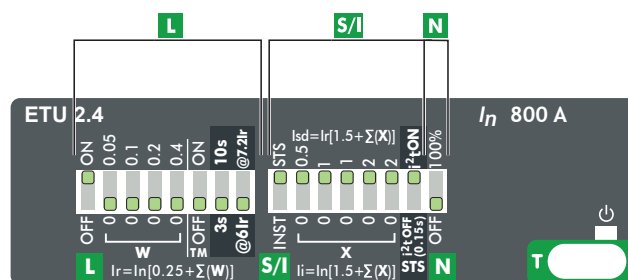
Thermal Magnetic Trip Units						
Thermal protection						
Rated current (A)		160	200	250	320	400
EasyPact Solar MCCB 400	Adjustable 0.7...1.0 In	■	■	■	■	■
Magnetic protection						
Rated current (A)		160	200	250	320	400
EasyPact Solar MCCB 400	Adjustable 6...12 In	■	■	■	■	■

Protection Release for MCCBs

ETU 2.4 offers 2 levels of protection LS or LI

Features

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



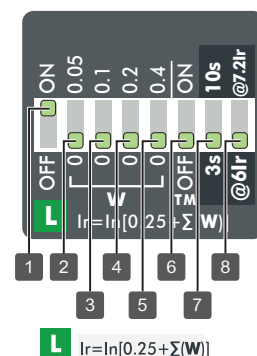
Protection

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

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

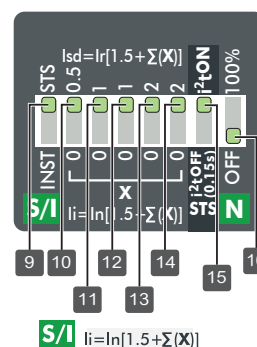
Overload (L)

1	Long time protection (overload) - ON or OFF
2 to 5	Ir adjustability - $I_r = 0.25$ to $1 \times I_n$ (step of 0.05)
6	Thermal Memory - ON or OFF ⁽²⁾
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	li or Isd adjustability - $li^{(1)} = 1.5 \text{ to } 8/10/12 \times I_n$ (step of 0.5) $T_i = 40 \text{ ms}$ or $Isd^{(2)} = 1.5 \text{ to } 8/10/12 \times I_r$ (step of 0.5) $T_{sd} = 150 \text{ ms}$
15	Short time protection mode - i^{2t} OFF or 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 or OFF
----	--------------------------------

(2) When thermal memory is OFF, MCCB follows overload delays after every power cycle (power outage), ON-OFF-ON cycle or trip due to overload fault.

When thermal memory is ON the tripping time reduces lesser than 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.

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

Protection Release for MCCBs

ETU 2.4 Electronic Trip Unit

ETU 2.4 Electronic Trip Units		
LS/IN		
Frame	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
Rated current	125 A and 160 A	400 A ,500 A, 630 A, and 800 A
Overload (Phase)		
Current setting Ir (Ir = x In)	0.25...1 x In (in step of 0.05)	
Time delay, Tr (Inverse) (Trip class)	10 s → at 6 Ir, 3 s → at 6 Ir, 10 s → at 7.2 Ir, and 3 s → at 7.2 Ir	
Protection mode	ON or OFF ⁽³⁾	
Thermal memory	Enable/Disable	
Short Circuit		
Current setting Isd (Isd = x Ir)	1.5...12 ⁽¹⁾ x Ir (in step of 0.5) up to 500 A	
	1.5...10 ⁽¹⁾ x Ir (in step of 0.5) for 630 A	
	1.5...8 ⁽¹⁾ x Ir (in step of 0.5) for 800 A	
Time delay, Tsd	As per I²T curve /150 ms	
I²T	ON or 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	

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

⁽¹⁾ DIP switch values

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

⁽³⁾ LTS=OFF, no long time protection (overload protection). Ir=1 for STS (short circuit setting).



Accessories and Auxiliaries



Accessories and Auxiliaries

Internal Accessories	C-3
External Accessories	C-5

Accessories and Auxiliaries

Internal Accessories

Internal Accessories

EasyPact Solar MCCBs offer a wide range of accessories. There are up to 6 cavities for a variety of accessories, which allows to use all possible combinations and provide flexibility.

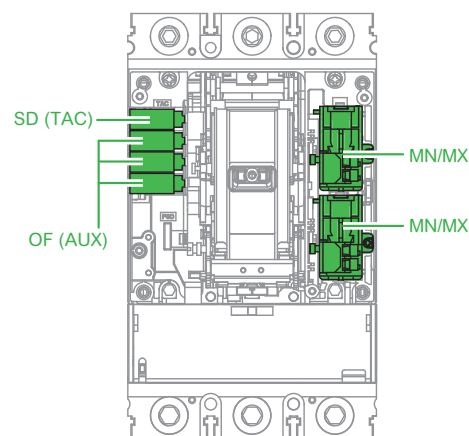
Available Voltages for OF (Auxiliary contact) and SD (Trip Alarm Contact):
AC 240 V maximum

Available Voltages for MN (UV) and MX (Shunt Release):

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

Frame	Poles	Internal Accessories	Maximum Available Cavity
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)

- MN - UV release
- MX - Shunt release
- OF - Auxiliary contact
- SD - Trip alarm contact



EasyPact Solar MCCB 400 /
EasyPact Solar MCCB 800



Voltage Release (MN/MX)



Auxiliary Contact (OF/SD)

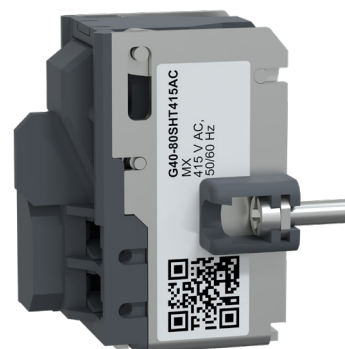
Shunt Trip Release (MX)

MX release opens the circuit breaker through an impulse-type (≥ 25 ms) or maintained order of the supply.

Opening Conditions

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

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



Shunt Trip Release (MX)

Voltage Release (MN)

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

Undervoltage tripping, combined with an emergency OFF button helps to provide secure tripping. The MN release is continuously supplied with voltage, unless the supply is interrupted:

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

Upon release, the circuit breaker opens.

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, depending on conditions. 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.



Voltage Release (MN)

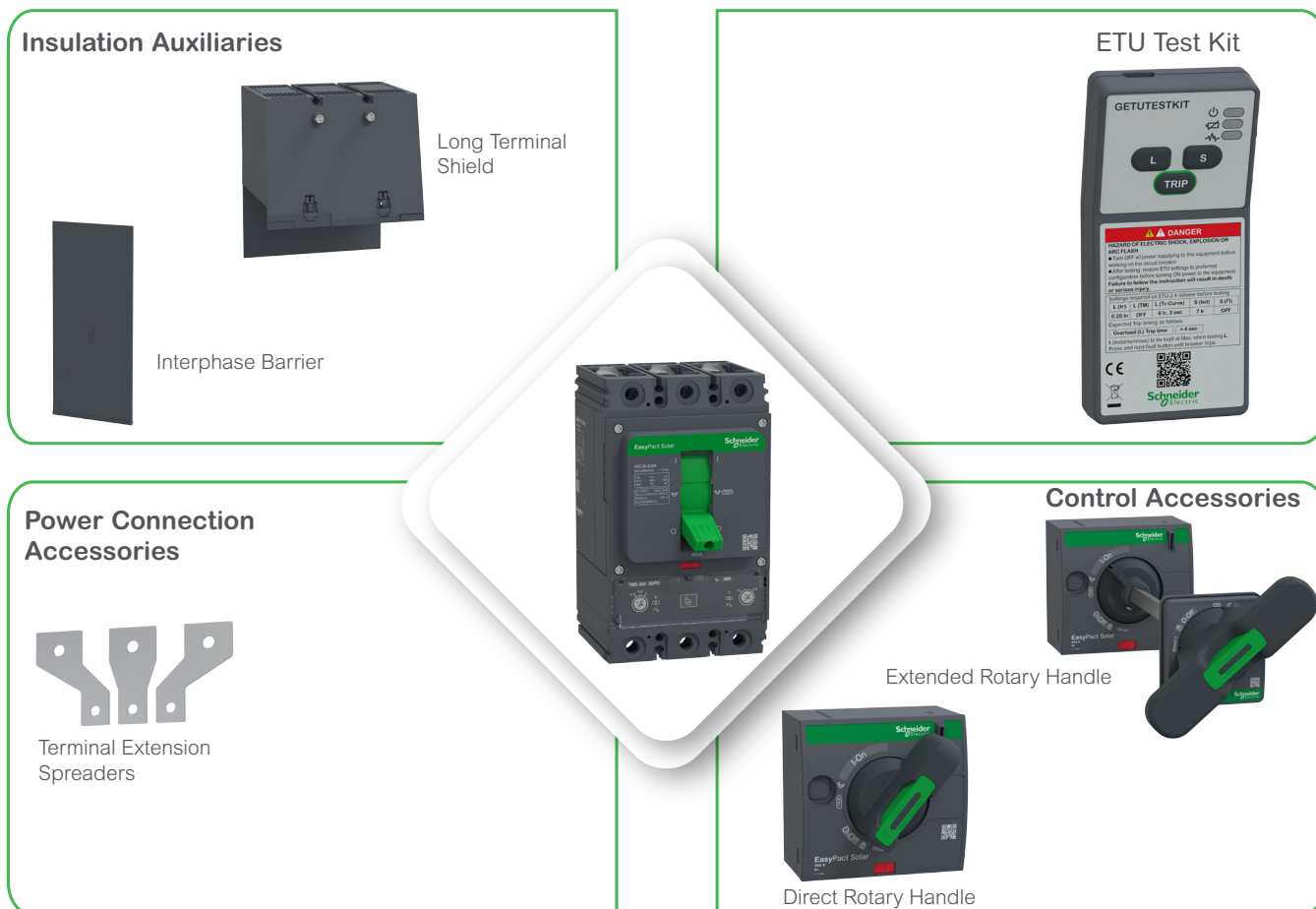
EasyPact Solar MCCB 400 and EasyPact Solar MCCB 800

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

Accessories and Auxiliaries

External Accessories

External Accessories



Rotary Handle

Rotary Handle for **EasyPact Solar** MCCB is available in both direct as well as extended versions. Padlocking is possible with direct rotary handle or extended rotary handle.

Features

Common for Direct and Extended Rotary Handle

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

Direct Rotary Handle

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

Extended Rotary Handle

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



Direct Rotary Handle



Extended Rotary Handle

Test Kit for Electronic Trip Unit

Healthiness and tripping under overload and short circuit functions of ETU can be tested with the help of Test Kit. It is a portable device with AAA battery, use only with ETU breaker to test the working of the electronic trip unit and its various tripping functions.

The test kit includes:

- ETU test kit remote
- 2 AAA battery
- Connection wire
- Hard case for storage and repeatable usage of the test kit



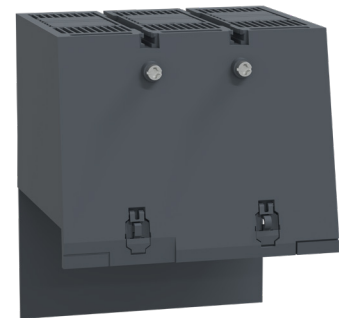
ETU Test Kit

Insulation Auxiliaries

The terminal shield are insulating and sealable insulation accessories which secure 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 necessary so that isolation can be afforded by commercially available 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 metallic mounting plate(cubicle).

- Insulating plate: in combination with bar extensions.
- Insulating plate brodened: in combination with brodened connection bars.
- Insulating plate: it is a part of MCCB's unit packaging and mandatory insulating accessories to be used with MCCB.

Interphase Barrier

The purpose of interphase barrier is to insulate the main terminals of the molded case circuit breaker from the phase cross-over. Standard length of interphase barrier provided with MCCB is 200 mm.



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

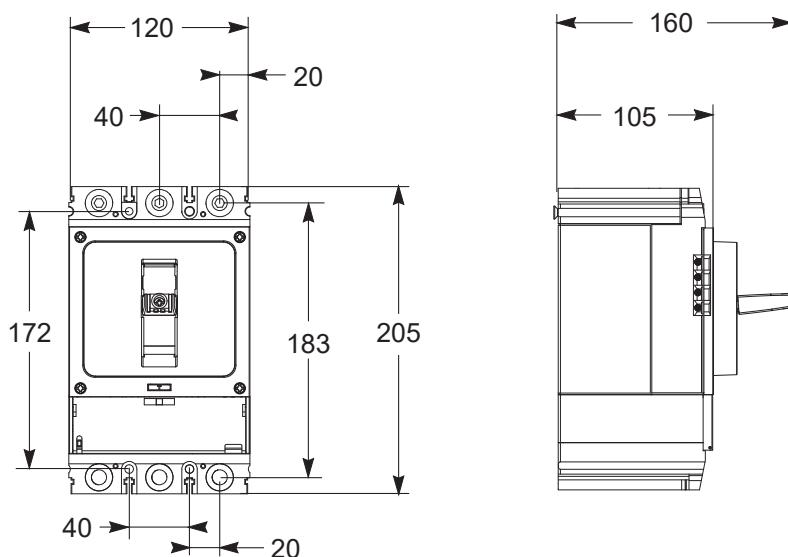
Dimensions

EasyPact Solar MCCB 400

MCCB and Terminal Extension Spreaders

MCCB

3 Pole



All measurements are in mm.

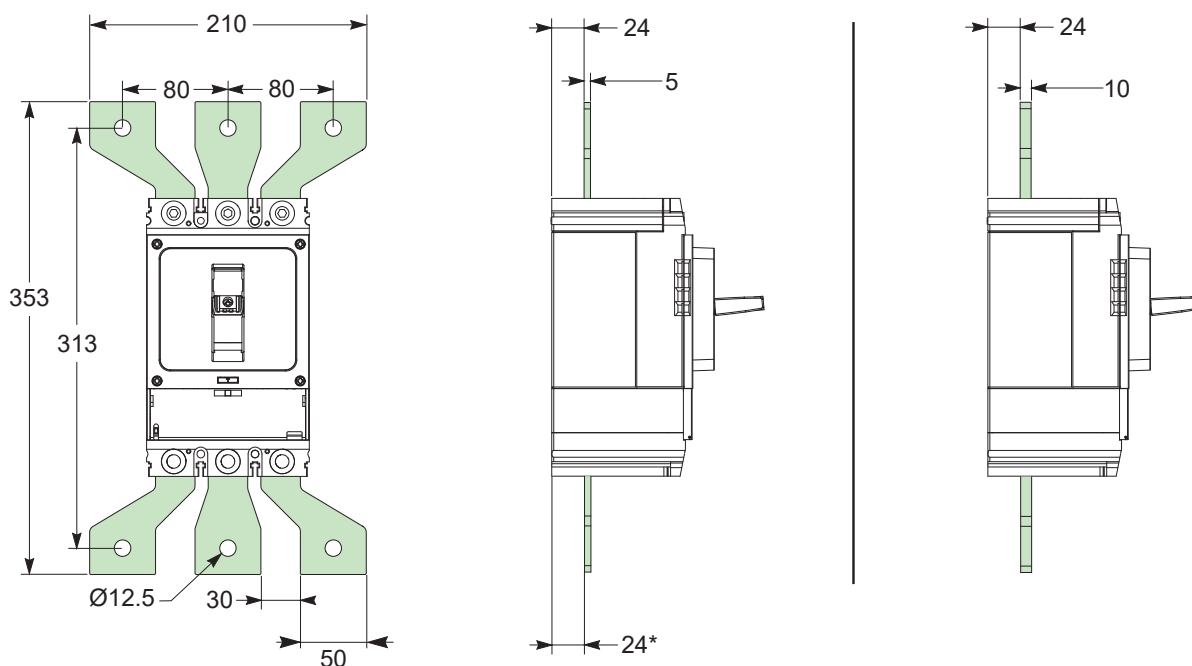
Terminal Extension Spreaders

3 Pole

125 A, 160 A, 200 A, 250 A

3 Pole

320 A, 400 A



* 22.8 for 200 A

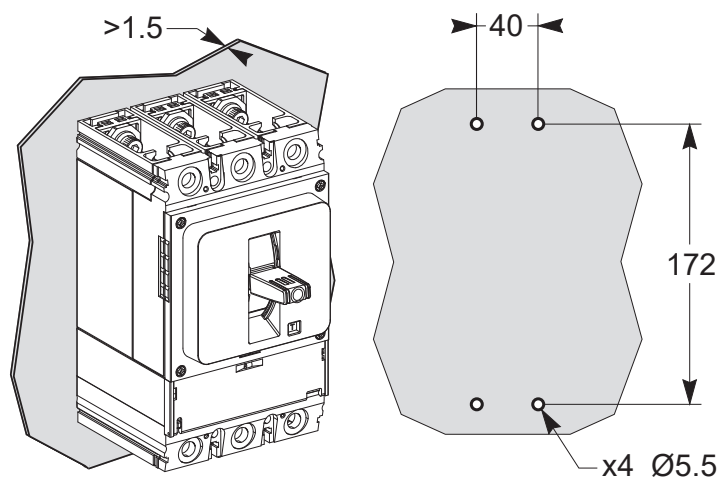
All measurements are in mm.

EasyPact Solar MCCB 400

Mounting Holes and Front-Panel Cutouts

Mounting Holes

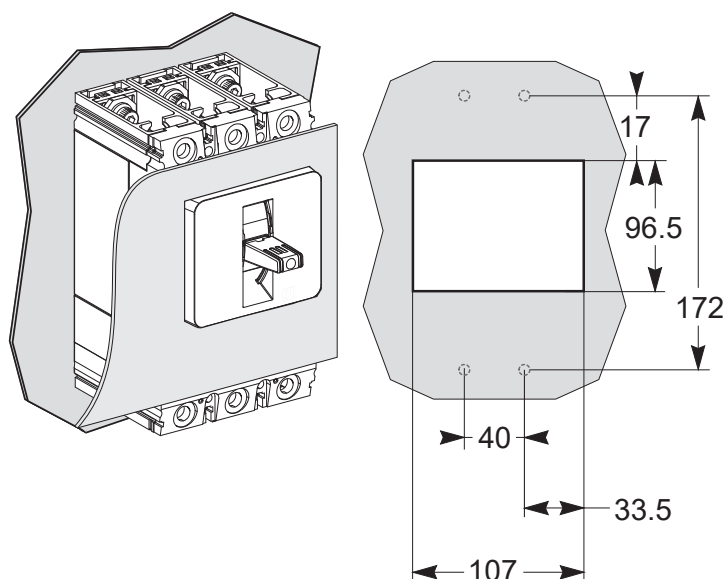
3 Pole



All measurements are in mm.

Front-Panel Cutouts

3 Pole



All measurements are in mm.

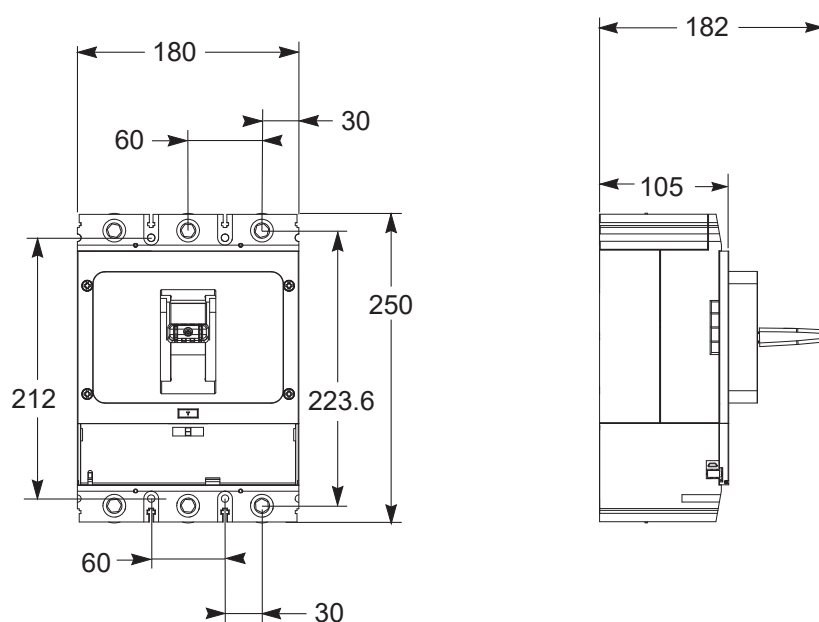
Dimensions

EasyPact Solar MCCB 800

MCCB and Terminal extension spreaders

MCCB

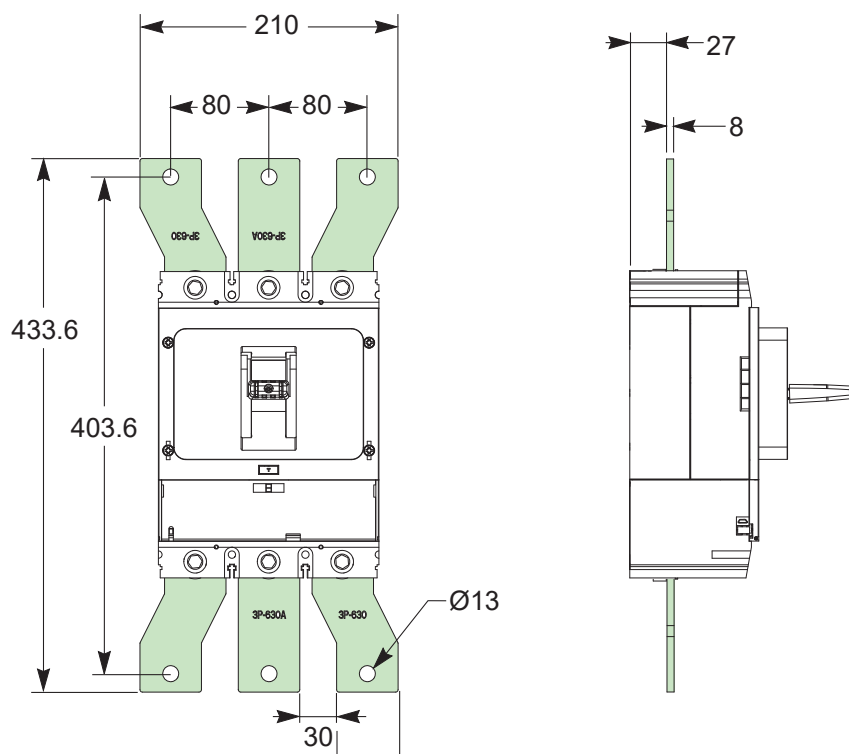
3 Pole



All measurements are in mm.

Terminal Extension Spreaders (400 A and 500 A)

3 Pole



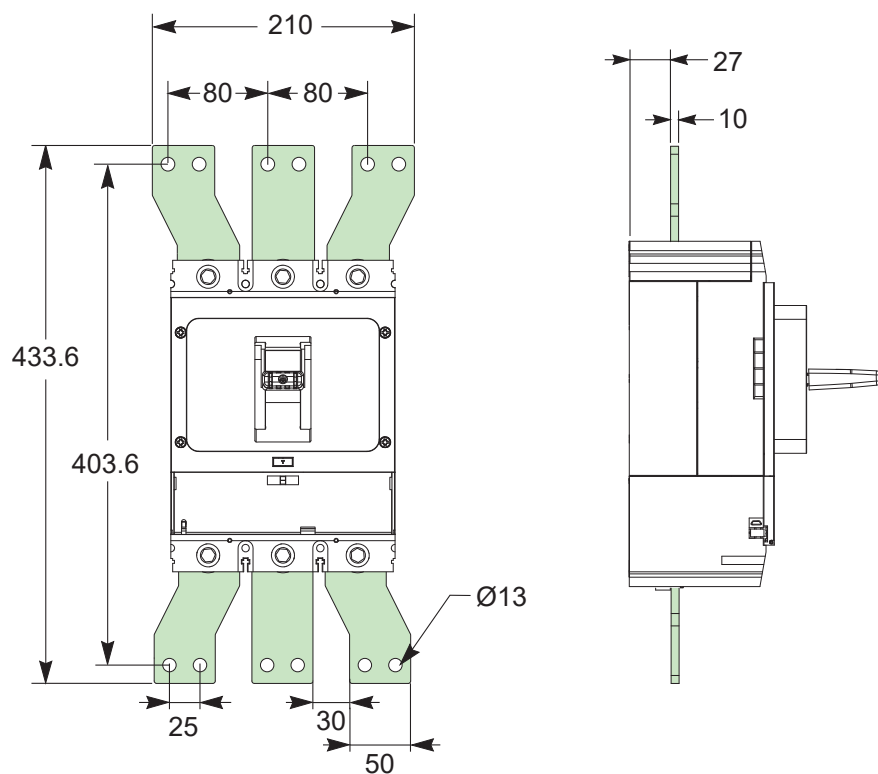
All measurements are in mm.

EasyPact Solar MCCB 800

MCCB and Terminal extension spreaders

Terminal Extension Spreaders (630 A and 800 A)

3 Pole



All measurements are in mm.

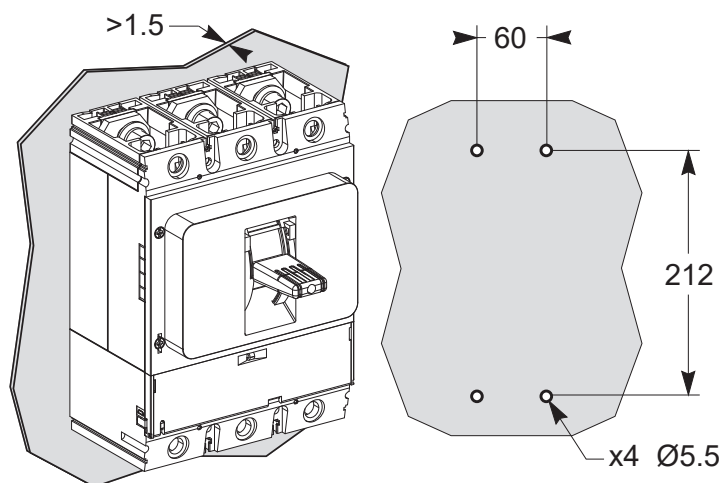
Dimensions

EasyPact Solar MCCB 800

Mounting Holes and Front-Panel Cutouts

Mounting Holes

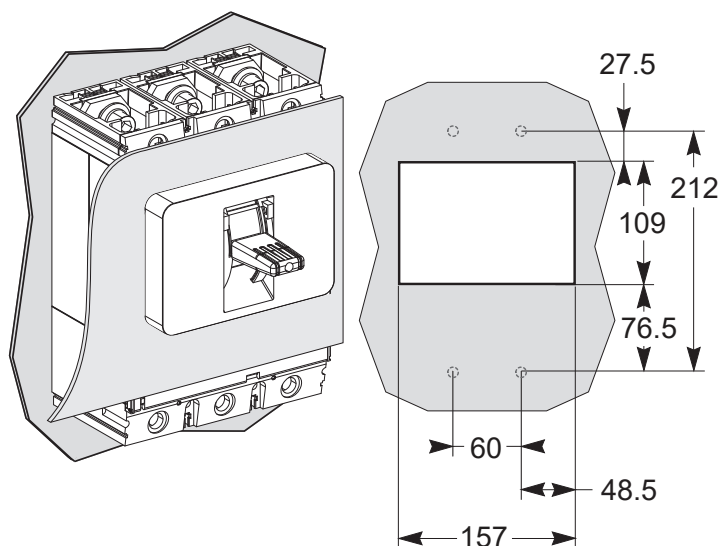
3 Pole



All measurements are in mm.

Front-Panel Cutouts

3 Pole



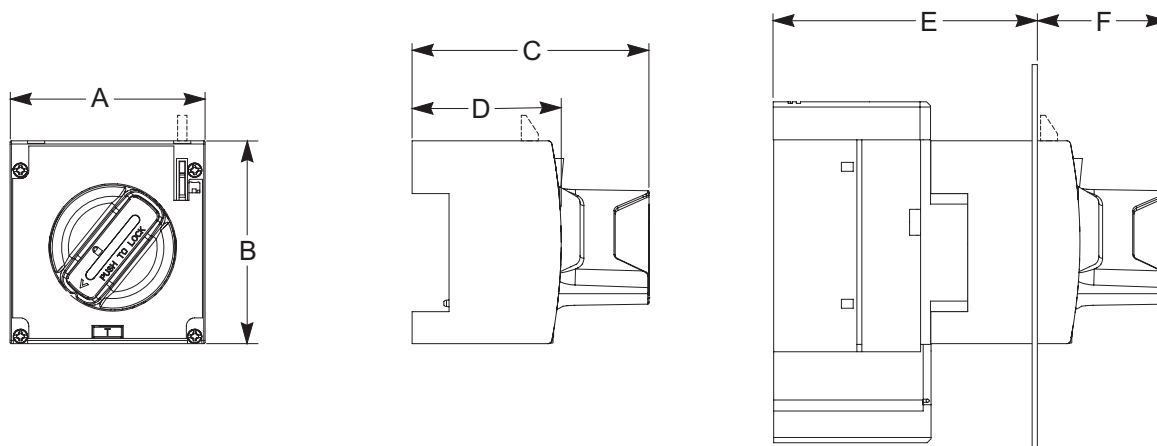
All measurements are in mm.

Direct Rotary Handle

Dimensions and Front-Panel Cutouts

Direct Rotary Handle

3 Pole

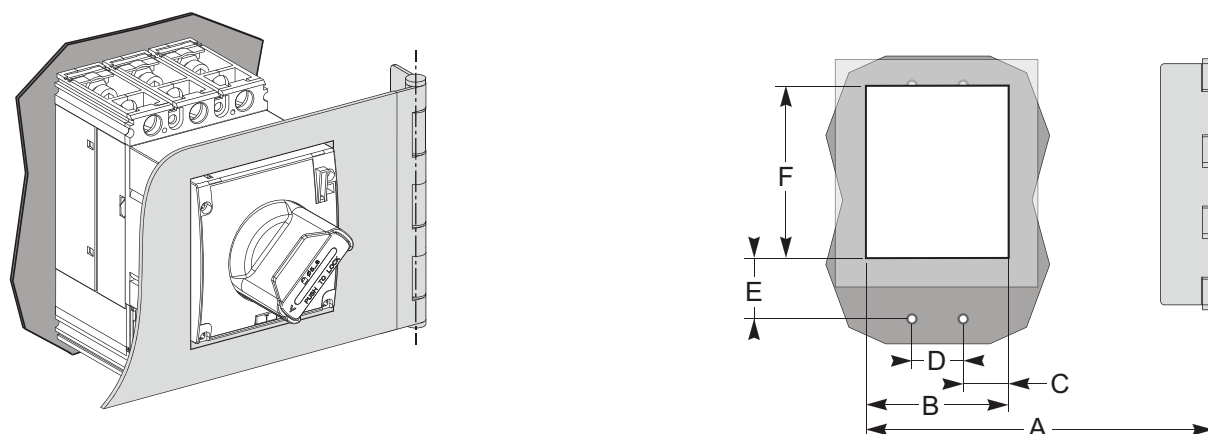


	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	120	180
B	113.2	140
C	116.5	129.5
D	75.38	77.2
E	140.3	134.7
F	80	98.3

All measurements are in mm.

Front-Panel Cutouts

3 Pole



	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

All measurements are in mm.

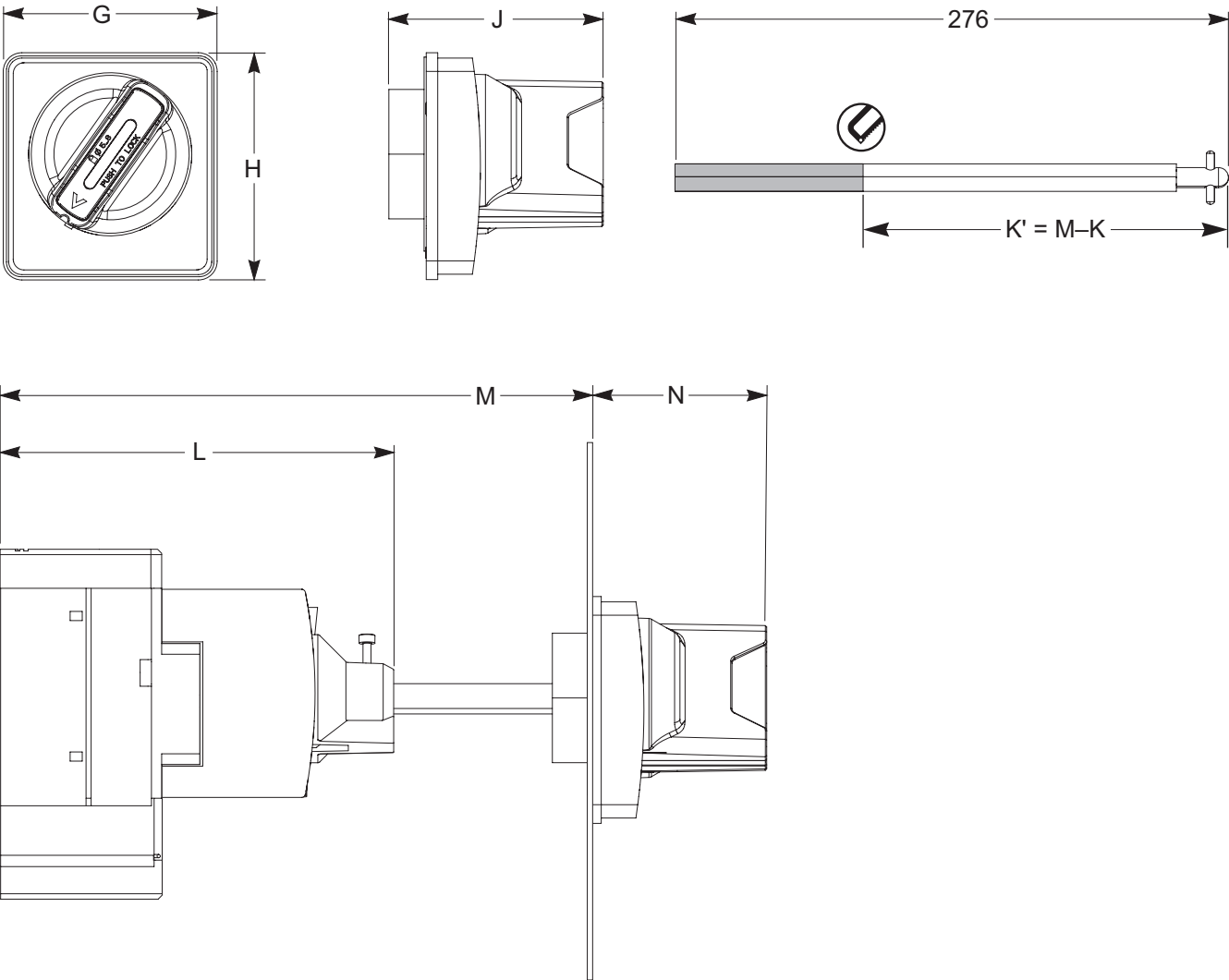
Dimensions

Extended Rotary Handle

Dimensions

Extended Rotary Handle

3 Pole



	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

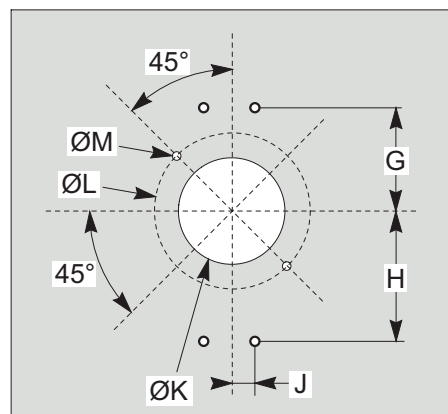
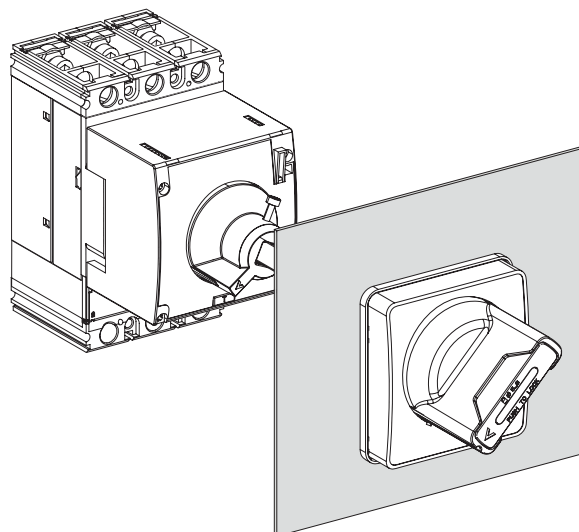
All measurements are in mm.

Extended Rotary Handle

Front-Panel Cutouts

Front-Panel Cutouts

3 Pole



	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
G	67	81
H	105	131.2
J	19	30
$\varnothing K$	51	51
$\varnothing L$	76	76
$\varnothing M$	4.5	4.5

All measurements are in mm.

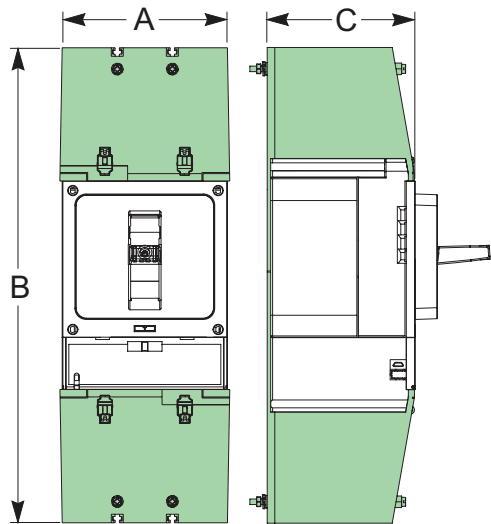
Dimensions

Long Terminal Shield and Interphase Barrier

Dimensions

Long Terminal Shield

3 Pole

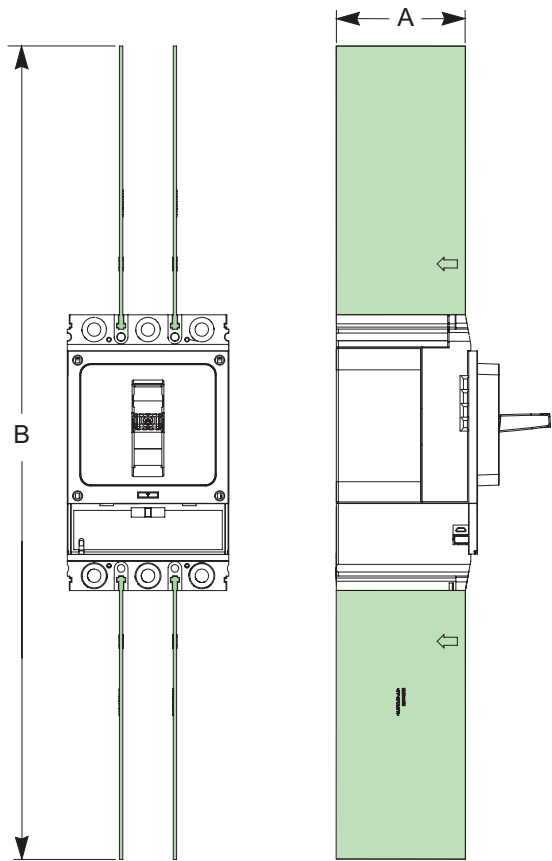


	EasyPact Solar MCCB 400	EasyPact Solar MCCB 800
A	120	180
B	345	390
C	107.5	107.5

All measurements are in mm.

Interphase Barrier

3 Pole



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

All measurements are in mm.



Technical Data Supplement



Technical Data Supplement

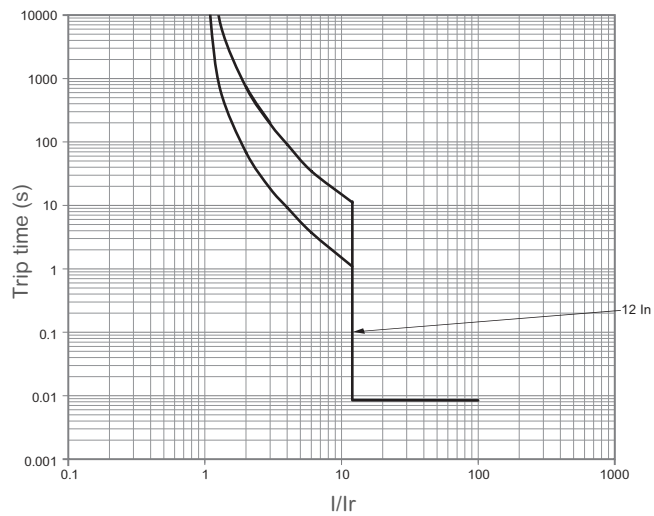
Tripping Curves	E-3
Thermal Magnetic Trip Unit	E-3
ETU 2.4 Electronic Trip Unit	E-4
Current Curves	E-5
Energy Curves	E-6
Temperature Derating Curves	E-7
Altitude Derating	E-8
Power Loss/ Resistance Curves	E-9

Technical Data Supplement

Tripping Curves

Thermal Magnetic Trip Unit

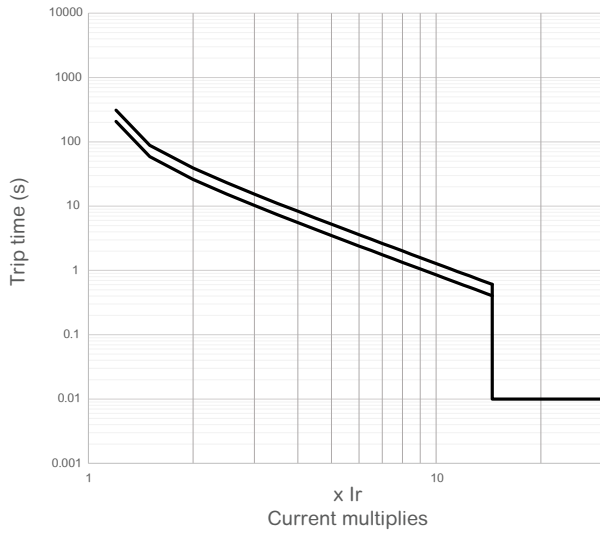
EasyPact Solar MCCB 400 (160...400)



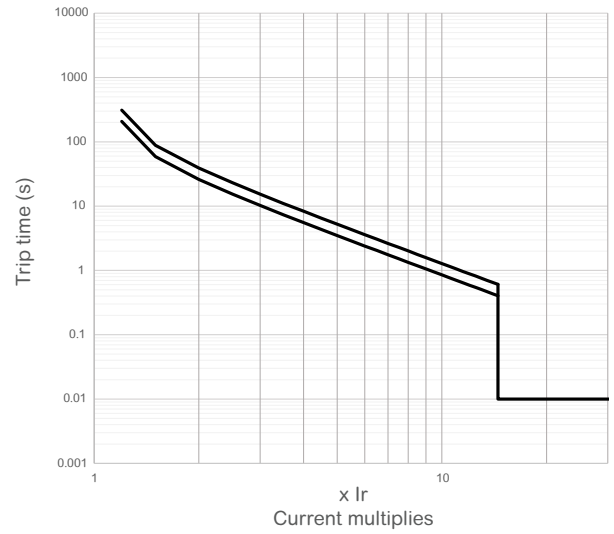
Tripping Curves

ETU Electronic Trip Unit

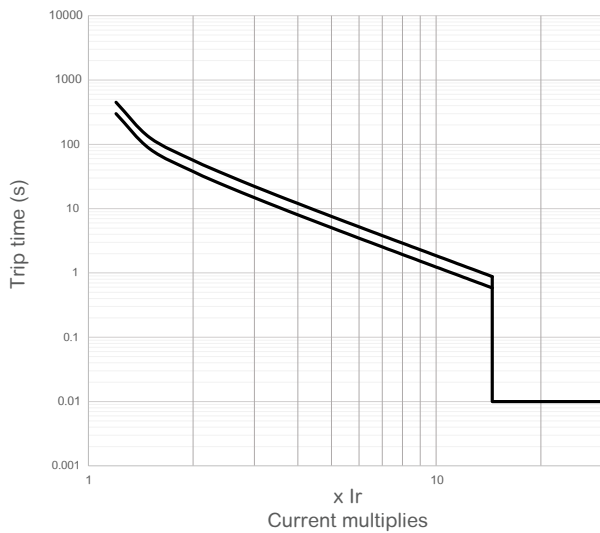
LTS 6IR-3SEC



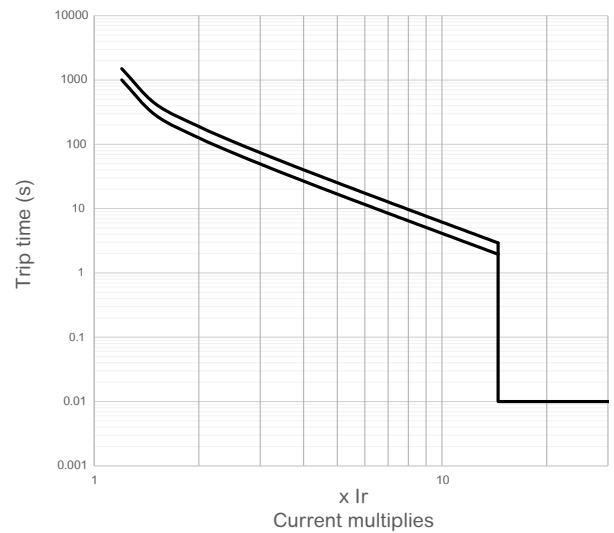
LTS 6IR-10SEC



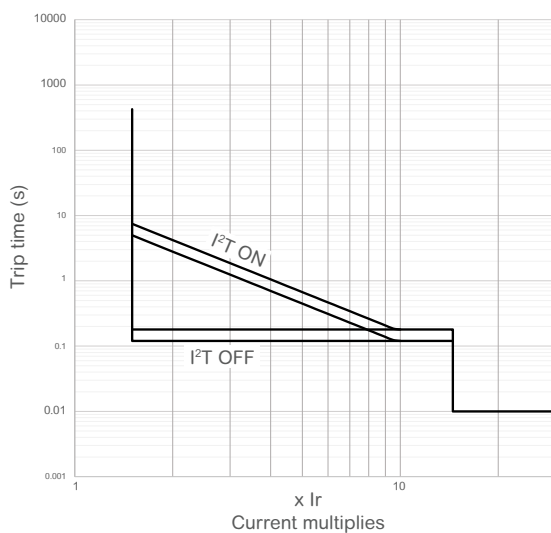
LTS 7.2IR-3SEC



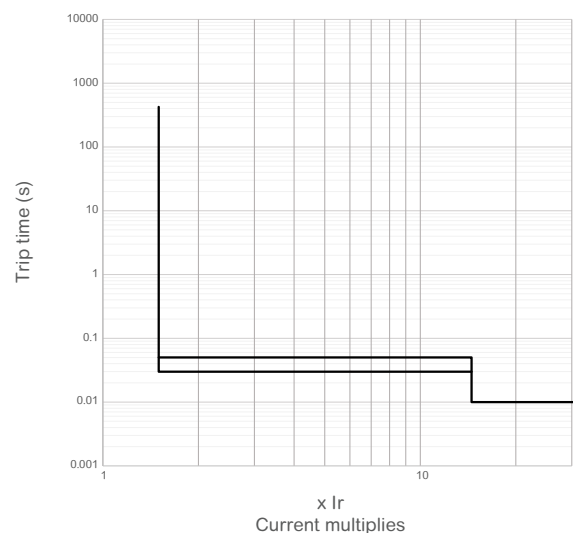
LTS 7.2IR-10SEC



STS I²T ON-OFF



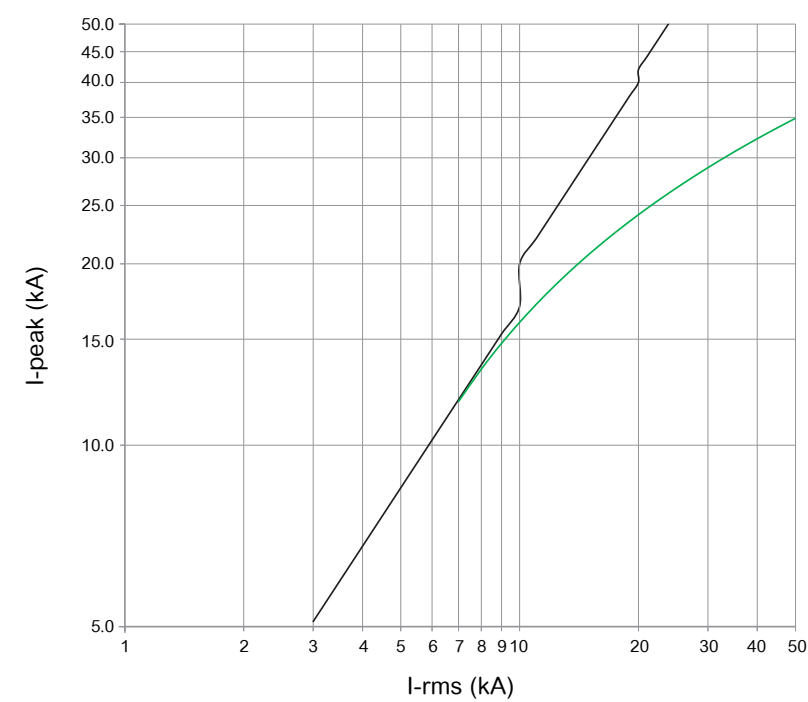
Instantaneous



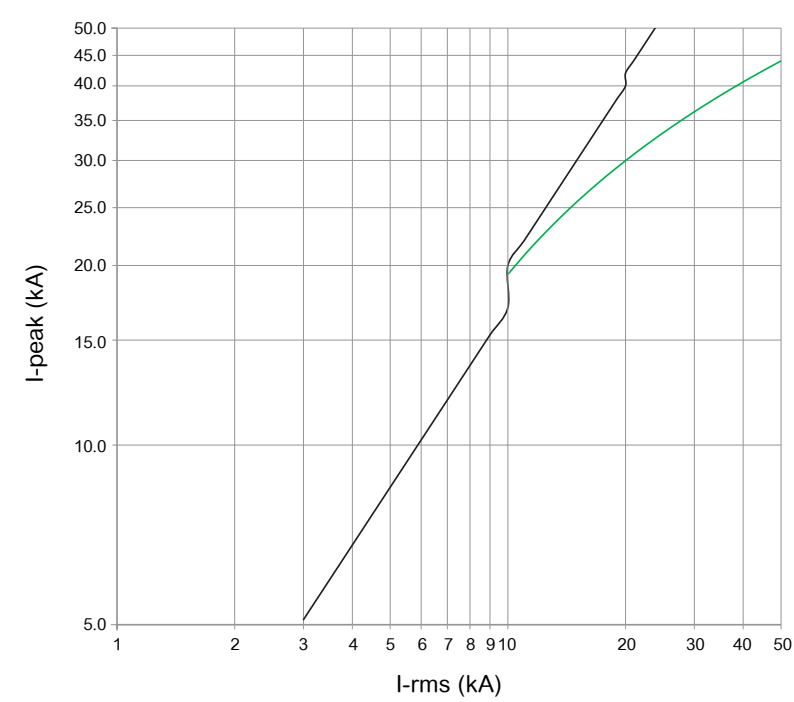
Current Curves

EasyPact Solar MCCBs

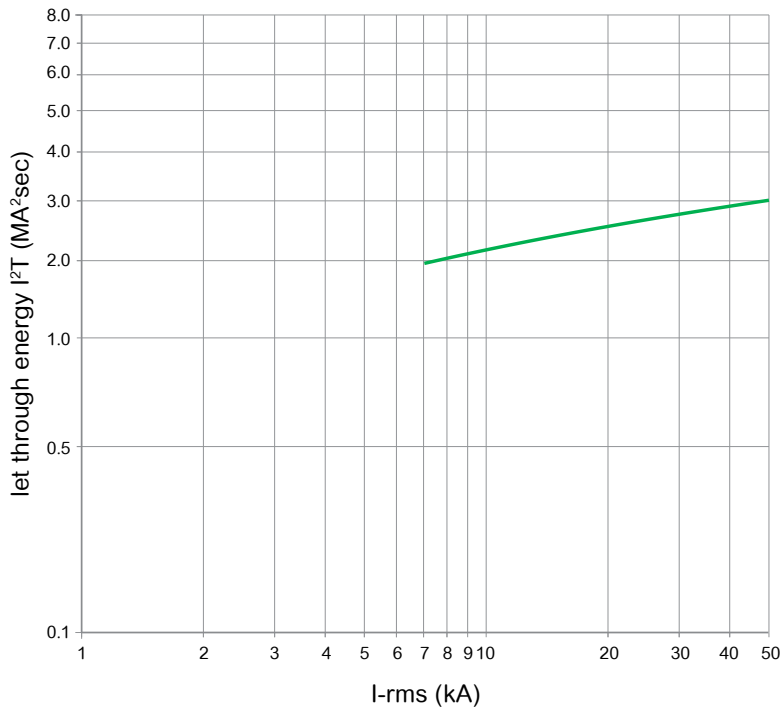
EasyPact Solar MCCB 400



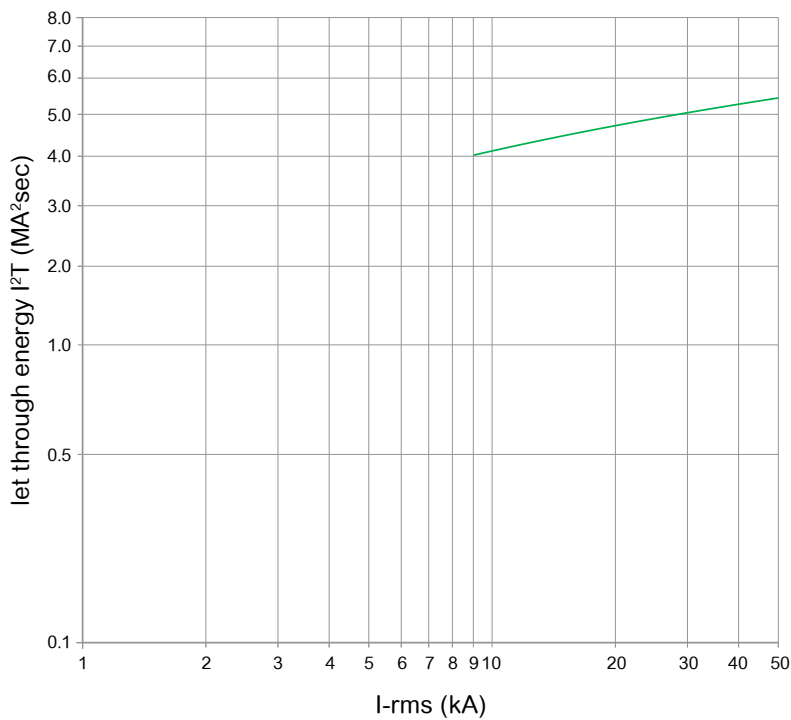
EasyPact Solar MCCB 800



EasyPact Solar MCCB 400



EasyPact Solar MCCB 800

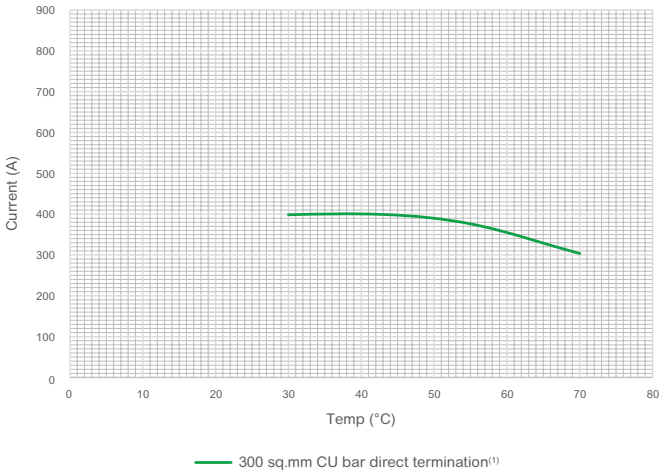
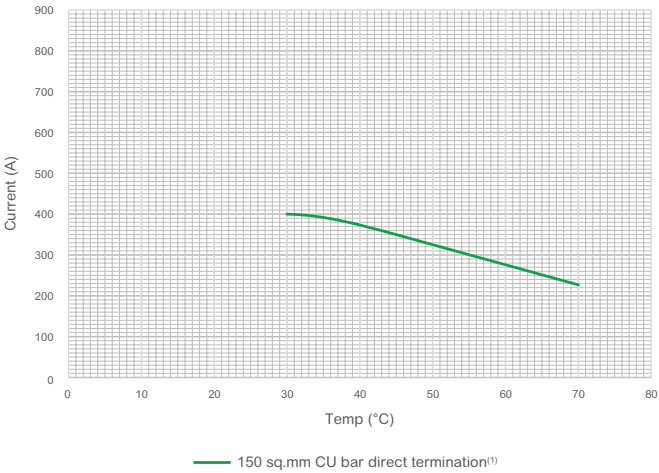


Technical Data Supplement

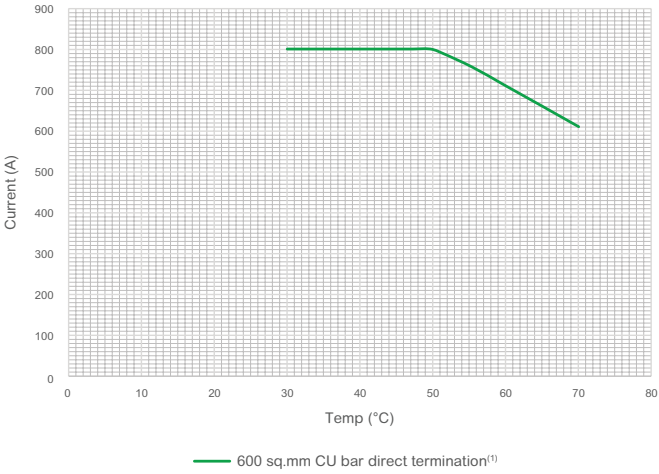
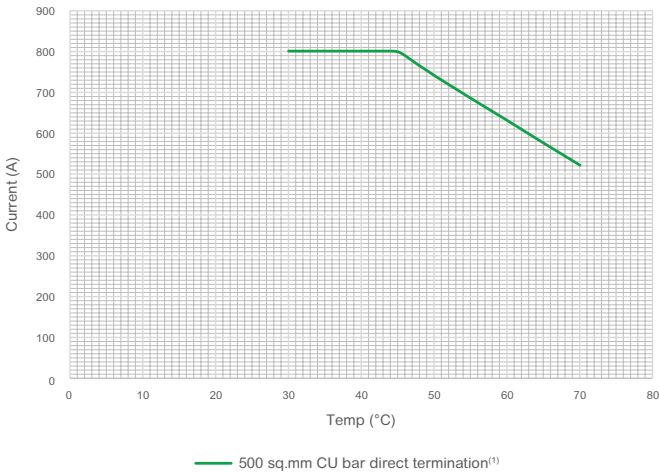
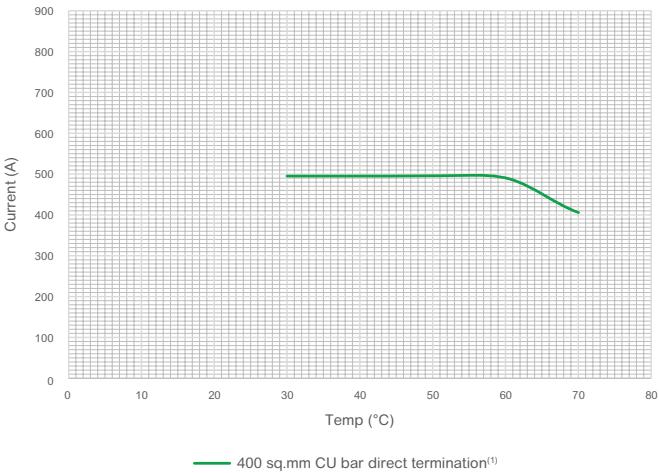
Temperature Derating Curves

EasyPact Solar MCCBs

EasyPact Solar MCCB 400



EasyPact Solar MCCB 800



⁽¹⁾ Direct termination to the MCCB is applicable only for copper conductors, not for aluminum.

Technical Data Supplement

Altitude Derating

EasyPact Solar MCCBs

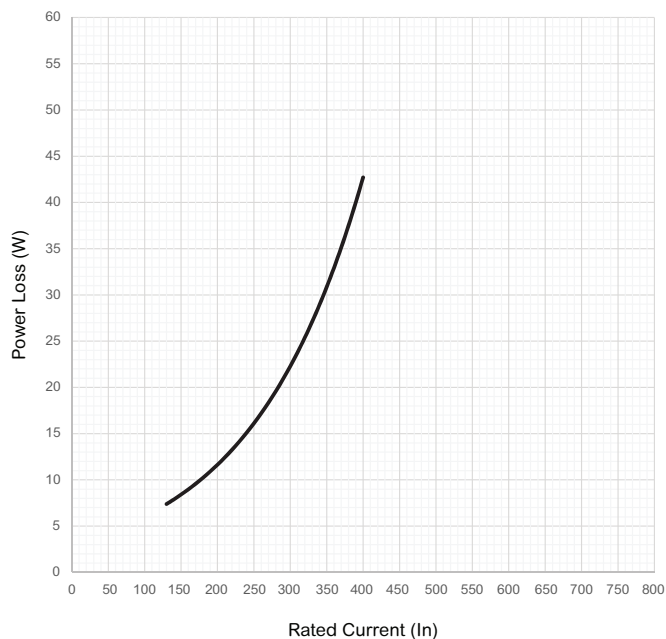
EasyPact Solar MCCB 400 and EasyPact Solar MCCB 800				
Altitude (m)	Insulation Voltage (V)	Impulse Voltage (kV)	Operation Voltage (V)	Rated Current (A)
	Ui	Uimp	Ue	In
2000	1	1	1	1
2500	0.85	0.85	0.96	0.98
3000	0.8	0.8	0.91	0.97
3500	0.75	0.75	0.86	0.95
4000	0.7	0.7	0.81	0.94
4500	0.65	0.65	0.76	0.92
5000	0.6	0.6	0.71	0.91
5500	0.55	0.55	0.66	0.89
6000	0.5	0.5	0.61	0.88

Technical Data Supplement

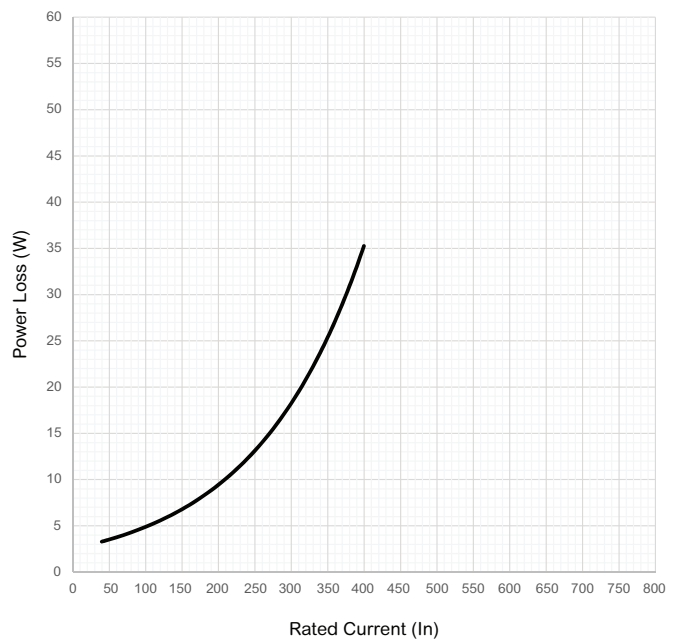
Power Loss/Resistance Curves

EasyPact Solar MCCBs

EasyPact Solar MCCB 400 TMD

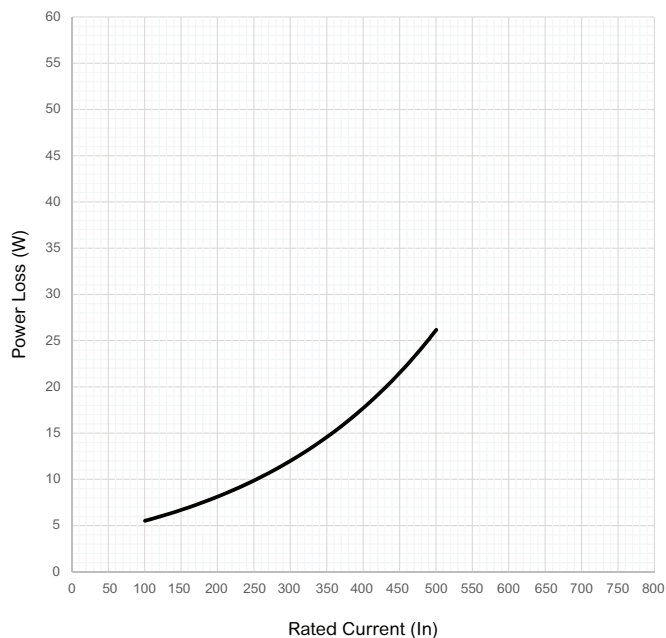


EasyPact Solar MCCB 400 ETU

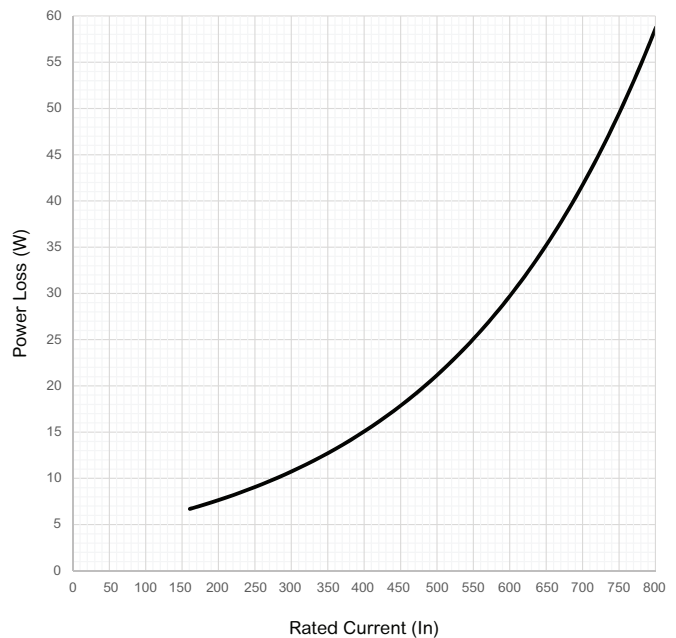


EasyPact Solar MCCB 800 ETU

400...500 A

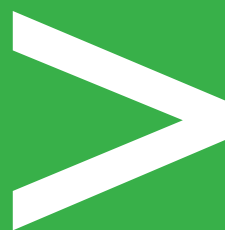


630...800 A





Commercial References



Commercial References

Reference IDs	F-3
Easy Pact Solar MCCB	F-3
Accessories	F-4

Commercial References

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



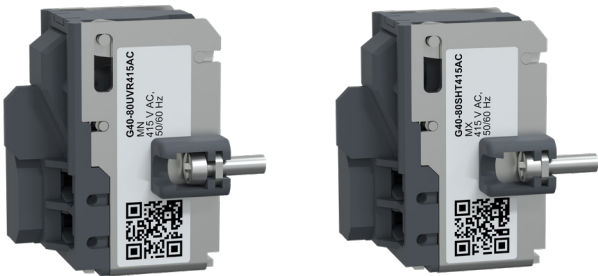
		Electronic
Breaking capacity at 800 V AC	Rating	3P3D
25 kA = B	125 A	SOL40B3E125
	160 A	SOL40B3E160
36 kA = F	125 A	SOL40F3E125
	160 A	SOL40F3E160
50 kA = N	125 A	SOL40N3E125
	160 A	SOL40N3E160

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)



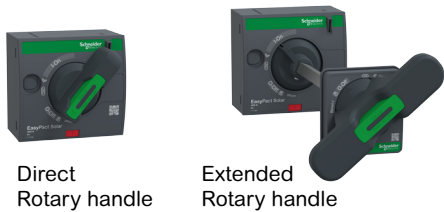
EasyPact Solar MCCB 400-800 AC/DC 50/60Hz MN	
Rating	MN
110 V	G40-80UVR110AC
240 V	G40-80UVR240AC
415 V	G40-80UVR415AC
EasyPact Solar MCCB 400-800 AC/DC 50/60Hz MX	
Rating	MX
24 V	G40-80SHT24DC
48 V	G40-80SHT48DC
110 V	G40-80SHT110AC
240 V	G40-80SHT240AC
415 V	G40-80SHT415AC

Auxiliary Contact (OF/SD)



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

Rotary Handle



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

Interphase Barriers



EasyPact Solar MCCB 400	SOL40-80FASB2
EasyPact Solar MCCB 800	

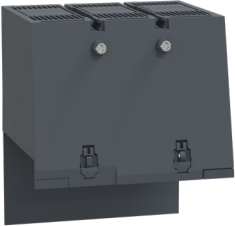
- Set of 2 numbers.

Commercial References

Reference IDs

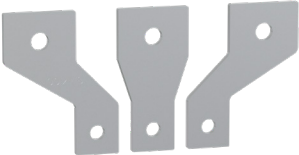
Accessories

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
	10 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 400 (ETU)	GETUTESTKIT
	EasyPact Solar MCCB 800 (ETU)	

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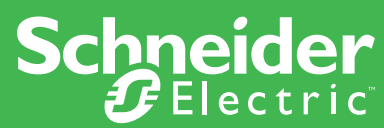
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