Product data sheet

Specification





circuit breaker Easypact EZC100F - TMD - 40 A - 3 poles 3d

EZC100F3040

Main

Range Of Product	EasyPact
Product Or Component Type	Circuit breaker
Device Short Name	Easypact EZC100F
Circuit Breaker Name	Easypact EZC100F
Device Application	Distribution
Poles Description	3P
Protected Poles Description	3t
Network Type	AC DC
Network Frequency	50/60 Hz
[In] Rated Current	40 A at 40 °C
[Ui] Rated Insulation Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-2
[Ue] Rated Operational Voltage	550 V AC 50/60 Hz conforming to IEC 60947-2 250 V DC conforming to IEC 60947-2
Breaking Capacity Code	F
Breaking Capacity	25 kA Icu at 110130 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 250 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 250 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 3.75 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 350 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 9 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity Suitability For Isolation Utilisation Category	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 3.75 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Yes conforming to IEC 60947-2 Category A
[Ics] Rated Service Breaking Capacity Suitability For Isolation Utilisation Category Trip Unit Name	25 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P conforming to IEC 60947-2 5 kA Icu at 250 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400415 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 2.5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 3.75 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Yes conforming to IEC 60947-2 Category A TM-D

List Price displayed is VAT EXCLUSIVE.



Pollution Degree	3 conforming to IEC 60664-1
	3 conforming to IEC 947-1

Complementary

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Control Type	Toggle	
Mounting Mode	Fixed	
Mounting Support	Backplate	
Upside Connection	Front	
Downside Connection	Front	
Mechanical Durability	8500 cycles	
Electrical Durability	Category A: 1500 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2	
Connection Pitch	25 mm	
Local Signalling	Positive contact indication	
Neutral Protection Setting	Without protection	
Earth-Leakage Protection	Without	
Height	130 mm	
Width	75 mm	
Depth	60 mm	

Environment

Standards	JIS C8201-2-2 EN/IEC 60947-1 GB/T 14048.2 EN/IEC 60947-2
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to IEC 62262
Ambient Air Temperature For Operation	-2570 °C
Ambient Air Temperature For Storage	-3585 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	8.0 cm
Package 1 Length	14.0 cm
Package 1 Weight	778.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	12
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.545 kg
Unit Type Of Package 3	P12

Number Of Units In Package 3	384
Package 3 Height	75 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	318 ka

Contractual warranty

Warranty 18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

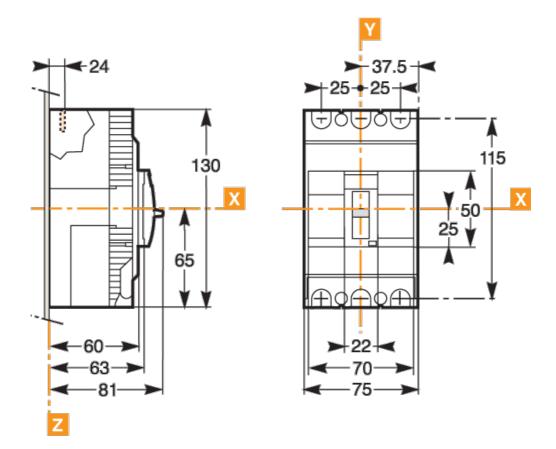
Well-being performance

Ø	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

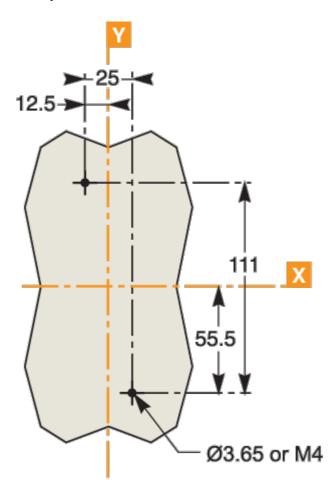
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations

Dimensions Drawings



Assembly



Performance Curves

