

# Bảng thông số sản phẩm

Thông số kỹ thuật



## Motor circuit breaker, Easy TeSys Power, GZ1E, AC-3, 3P, 13..18A, thermal magnetic trip

GZ1E20

### Main

Range	Easy TeSys
Range of product	Easy TeSys Power
Product or component type	Circuit breaker
Device short name	GZ1E
Device application	Motor
Trip unit technology	Thermal-magnetic
Suitability for isolation	Yes conforming to IEC 60947-1 appendix 7.1.6
Colour	Grey (RAL 7011)

### Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3
Network frequency	50/60 Hz conforming to IEC 60947-2
Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Any position
Motor power kW	4 kW at 230 V AC 50/60 Hz 7.5 kW at 400 V AC 50/60 Hz 9 kW at 440 V AC 50/60 Hz 10 kW at 500 V AC 50/60 Hz 15 kW at 690 V AC 50/60 Hz
Breaking capacity	Icu: $\geq$ 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 2 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 10 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 6 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
Thermal protection adjustment range	13...18 A
Magnetic tripping current	223 A
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2

<b>[Ui] rated insulation voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-2
<b>Power dissipation</b>	2.5 W (per pole)
<b>Mechanical durability</b>	100000 cycles
<b>Electrical durability</b>	100000 cycles for AC-3
<b>Maximum operating rate</b>	25 cyc/h
<b>Connections - terminals</b>	Screw clamp terminals 2 1...6 mm <sup>2</sup> - cable stiffness: solid Screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end
<b>Height</b>	89 mm
<b>Width</b>	44.5 mm
<b>Depth</b>	78 mm
<b>Net weight</b>	0.26 kg

## Environment

<b>Standards</b>	IEC 60947-2 IEC 60947-4
<b>Protective treatment</b>	TH
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...60 °C
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	960 °C conforming to IEC 60695-2-1
<b>Operating altitude</b>	2000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.800 cm
<b>Package 1 Width</b>	8.400 cm
<b>Package 1 Length</b>	9.000 cm
<b>Package 1 Weight</b>	272.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	6.884 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	384
<b>Package 3 Height</b>	75.000 cm
<b>Package 3 Width</b>	60.000 cm
<b>Package 3 Length</b>	80.000 cm

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Package 3 Weight

118.644 kg

## Environmental Data

Schneider Electric nhắm đến việc đạt được vị trí Net Zero vào năm 2050 thông qua các quan hệ đối tác chuỗi cung ứng, giảm vật liệu tác động và sự tuần hoàn thông qua chiến dịch "Use Better, Use Longer, Use Again" đang diễn ra của chúng tôi để kéo dài tuổi thọ sản phẩm và khả năng tái chế.

[Dữ liệu môi trường đã giải thích >](#)

[Cách chúng tôi đánh giá tính bền vững của sản phẩm >](#)

### Ảnh hưởng môi trường

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	44
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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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## Use Better

### Vật liệu và Bao bì

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	No
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EU RoHS Directive	Compliant with Exemptions
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SCIP Number	25204872-3df4-48c8-9f77-906ce87e060b
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REACH Regulation	<a href="#">REACH Declaration</a>
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China RoHS Regulation	<a href="#">China RoHS declaration</a>
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## Use Again

### Đóng gói lại và tái sản xuất

Circularity Profile	<a href="#">End of Life Information</a>
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WEEE



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Take-back


No

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Offer Marketing Illustration

**Product benefits / Features**

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The image shows a Schneider Easy TeSys Motor Circuit Breaker (GZ1E20) with a grey body and a red push button. It features a QR code on the front panel and is labeled with 'Schneider Electric' and 'Easy TeSys Motor GZ1E20'. The device is set against a green circular background.

### Easy TeSys Motor Circuit Breakers

#### Technical Benefits

- Specifically designed for the control and protection of motors conforming to standards IEC 60947-2 and IEC 60947-4-1.
- Thermal-magnetic or magnetic protection
- Push button control
- One size from 0.37 to 15 Kw under 440V
- Icu breaking capacity up to 100 kA
- One size from 0.1A to 32A, Width = 44.5 mm

Offer Marketing Illustration

**Product benefits / Features**

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**Easy TeSys Motor Circuit Breakers**  
Range Accessories

Contact blocks

Auxiliary contact

Mounting accessories

Manual starter enclosure

Manual starter padlocking

The image displays a collection of accessories for the Easy TeSys Motor Circuit Breakers. At the top left is a grey motor circuit breaker. Below it, the text 'Easy TeSys Motor Circuit Breakers Range Accessories' is shown. The accessories are arranged in three rows: the first row contains 'Contact blocks' and an 'Auxiliary contact'; the second row contains 'Mounting accessories', 'Manual starter enclosure', and 'Manual starter padlocking'.

Offer Marketing Illustration

**Product benefits / Features**

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**Easy TeSys**  
Motor Circuit Breakers

- Designed for the essential**  
Designed to deliver essential control & protection, providing the right balance between performance and cost without quality compromise
- Easy choice and application**  
Easier to install, order and understand, operates with multi-standard screws
- Cost-effective**  
Provides a cost-effective solution to simple light duty applications



Technical Illustration

## Assembly's dimensions

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