

Bảng thông số sản phẩm

Thông số kỹ thuật



Motor circuit breaker, Easy TeSys Power, GZ1E, AC-3, 3P, 17..23A, thermal magnetic trip

GZ1E21

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	5.5 kW at 230 V AC 50/60 Hz 9 kW at 400 V AC 50/60 Hz 11 kW at 440 V AC 50/60 Hz 11 kW at 500 V AC 50/60 Hz 18.5 kW at 690 V AC 50/60 Hz
Breaking capacity	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: 30 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 3 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 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 40 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
Thermal protection adjustment range	17...23 A
Magnetic tripping current	327 A
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2

[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
Power dissipation	2.5 W (per pole)
Mechanical durability	100000 cycles
Electrical durability	100000 cycles for AC-3
Maximum operating rate	25 cyc/h
Connections - terminals	Screw clamp terminals 2 1...6 mm ² - cable stiffness: solid Screw clamp terminals 2 1.5...6 mm ² - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible with cable end
Height	89 mm
Width	44.5 mm
Depth	78 mm
Net weight	0.26 kg

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.4 cm
Package 1 Width	4.7 cm
Package 1 Length	9 cm
Package 1 Weight	277 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.012 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	Product Environmental Profile
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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	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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Use Again

Đóng gói lại và tái sản xuất

Circularity Profile	End of Life Information
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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

Take-back

No

Offer Marketing Illustration

Product benefits / Features




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

Offer Marketing Illustration

Product benefits / Features



The image shows a Schneider Easy TeSys Motor Circuit Breaker, model GZ1E21. It is a compact, grey, three-phase device with a red emergency stop button and a white reset button. The front panel features a QR code, a small indicator light, and the Schneider logo. The device is mounted on a green circular graphic.

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



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 main motor circuit breaker unit. Below it, the accessories are arranged in three rows. The first row shows 'Contact blocks' and an 'Auxiliary contact'. The second row shows 'Mounting accessories', 'Manual starter enclosure' (two units), and 'Manual starter padlocking' (a yellow padlock). The background is white with a green circular graphic element on the left.

Technical Illustration

Assembly's dimensions

