

Product data sheet

Specifications



Manual motor controller,Easy TeSys GP2E,3P,17-23A,thermal magnetic trip,screw clamp terminals

GP2E21

Product availability: Stock - Normally stocked in distribution facility

Main

Range	Easy TeSys
Product name	Easy TeSys GP2E
Product or Component Type	Motor controller
Device short name	GP2E
Device Application	Motor
Trip unit technology	Thermal-magnetic

Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3 IEC 60947-4-1 Category A IEC 60947-2
Network frequency	50/60 Hz IEC 60947-4-1
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with adaptor plate)
Operating position	Any position
Breaking capacity	50 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 15 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 6 kA Icu 440 V AC 50/60 Hz IEC 60947-2 4 kA Icu 500 V AC 50/60 Hz IEC 60947-2 3 kA Icu 690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % 230/240 V AC 50/60 Hz IEC 60947-2 40 % 400/415 V AC 50/60 Hz IEC 60947-2 50 % 440 V AC 50/60 Hz IEC 60947-2 75 % 500 V AC 50/60 Hz IEC 60947-2 75 % 690 V AC 50/60 Hz IEC 60947-2
Control Type	Push-button
Line Rated Current	23 A
thermal protection adjustment range	17...23 A
Magnetic tripping current	327 A
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2
[Ith] conventional free air thermal current	23 A IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2
Power dissipation per pole	2.5 W
Mechanical durability	100000 cycles

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical durability	100000 cycles AC-3 440 V
maximum operating rate	25 cyc/h
Rated duty	Continuous IEC 60947-4-1
Connections - terminals	Screw clamp terminals0.002...0.009 in² (1...6 mm²) - solid Screw clamp terminals0.002...0.009 in² (1.5...6 mm²) - flexible without cable end Screw clamp terminals0.002...0.006 in² (1...4 mm²) - flexible with cable end Screw clamp terminals (AWG 18...AWG 8)
Tightening torque	15.05 lbf.in (1.7 N.m) screw clamp terminals
Suitability for isolation	Yes IEC 60947-1
Phase failure sensitivity	Yes IEC 60947-4-1
Height	3.5 in (89 mm)
Width	1.8 in (45 mm)
Depth	3.09 in (78.5 mm)
Product Weight	0.57 lb(US) (0.26 kg)

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CUL
Product Certifications	cUL
Protective treatment	TH
IP degree of protection	IP20 IEC 60529
IK degree of protection	IK04
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-1
Operating altitude	6561.68 ft (2000 m)

Ordering and shipping details

Category	US10I1322364
Discount Schedule	0I13
GTIN	3606481063465
Returnability	Yes
Country of origin	TH

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.200 in (8.128 cm)
Package 1 Width	1.800 in (4.572 cm)
Package 1 Length	3.500 in (8.890 cm)
Package weight(Lbs)	9.920 oz (281.227 g)
Unit Type of Package 2	CAR

Number of Units in Package 2	24
Package 2 Height	5.900 in (14.986 cm)
Package 2 Width	11.800 in (29.972 cm)
Package 2 Length	15.600 in (39.624 cm)
Package 2 Weight	8.0006 lb(US) (3.629 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	11 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	9 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	04104e70-ba29-493c-b2cc-b5837d1f879b
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	49
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features

Easy TeSys
Manual Starter and Protector



Push button control

Operation is controlled manually by the **Start button (I)** and **De-energization** by **Stop button (O)** or automatically by the thermal-magnetic protection elements.



Protection

The magnetic elements (short-circuit protection) have a non-adjustable tripping threshold, which is equal to about 13 times the maximum setting current of the thermal trips.



Connection

These Manual motor controllers are designed for connection by screw clamp terminals. Each connection can take two independent conductors.



Offer Marketing Illustration

Product benefits / Features



The image shows a Schneider Easy TeSys Manual Starter and Protector, model GP2E21. It is a black, rectangular device with a red emergency stop button and a green start button. The device has three main sections: a top section with three screw terminals labeled 1-1, 3-2, and 5-3; a middle section with a red emergency stop button and a green start button; and a bottom section with three screw terminals labeled 2-1, 4-2, and 6-3. The Schneider logo is visible on the bottom right of the device.

Easy TeSys Manual Starter and Protector

Technical Benefits

- Manual motor controller, coordinated with Easy TeSys contactors, to protect motors up to 32A (20 HP/480 V AC)
- Easy TeSys includes 3-pole thermal-magnetic manual motor starters UL 60947-4-1
- Motor protection is provided by the thermal-magnetic protection elements incorporated in the manual motor starter
- Motor control & protection, resistive load switching, and isolation applications
- For use on conveyors, packaging, pumps, compressors, HVAC, refrigeration, furnace applications, and more!

Image of product / Alternate images

Alternative



