# **Product datasheet**

Specifications

#### Green Premium<sup>™</sup>



# Thermal magnetic circuit breaker, TeSys GB2, 1P+N, 10 A, Icu 1.5 kA@240 V

Local distributor code: 2220011

GB2CD16

EAN Code: 3389110214956

#### Main

Range   TeSys     Product Name   TeSys GB2     Device Short Name   GB2     Product Or Component Type   Circuit breaker     Device Application   Control     Poles Description   1P + N     Network Type   AC/DC     Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA lcu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA lcu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic		
Device Short Name   GB2     Product Or Component Type   Circuit breaker     Device Application   Control     Poles Description   1P + N     Network Type   AC/DC     Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5.1 DC-13 conforming to IEC 60947-5.1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA lcu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA lcu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Range	TeSys
Product Or Component Type   Circuit breaker     Device Application   Control     Poles Description   1P + N     Network Type   AC/DC     Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Product Name	TeSys GB2
Device Application Control   Poles Description 1P + N   Network Type AC/DC   Utilisation Category Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1   Network Frequency 50/60 Hz conforming to IEC 60947-2   Breaking Capacity 2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2   [Ics] Rated Service Short-Circuit Breaking Capacity 75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2   Trip Unit Technology Thermal-magnetic	Device Short Name	GB2
Poles Description   1P + N     Network Type   AC/DC     Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Product Or Component Type	Circuit breaker
Network Type   AC/DC     Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 24 V DC conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Device Application	Control
Utilisation Category   Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1     Network Frequency   50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 24 V DC conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Poles Description	1P + N
DC-12 conforming to IEC 60947-5-1     DC-13 conforming to IEC 60947-5-1     DC-13 conforming to IEC 60947-5-1     Network Frequency     50/60 Hz conforming to IEC 60947-2     Breaking Capacity   2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2     1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     1.5 kA Icu at 24 V DC conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit   75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology   Thermal-magnetic	Network Type	AC/DC
Breaking Capacity   2 kA lcu at 110 V AC 50/60 Hz conforming to IEC 60947-2     1.5 kA lcu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     1.5 kA lcu at 24 V DC conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit     Breaking Capacity     75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology     Thermal-magnetic	Utilisation Category	DC-12 conforming to IEC 60947-5-1
1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     1.5 kA Icu at 24 V DC conforming to IEC 60947-2     [Ics] Rated Service Short-Circuit Breaking Capacity     75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2     75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2     Trip Unit Technology     Thermal-magnetic	Network Frequency	50/60 Hz conforming to IEC 60947-2
Breaking Capacity 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2   Trip Unit Technology Thermal-magnetic	Breaking Capacity	1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
		•
	Trip Unit Technology	Thermal-magnetic
Magnetic Tripping Current 138 A	Magnetic Tripping Current	138 A

# Complementary

Mounting Mode	By clips
Mounting Support	Plate Rail
Mounting Position	Horizontal Vertical
Control Type	Toggle
[In] Rated Current	10 A
[Ue] Rated Operational Voltage	250 V AC 50/60 Hz conforming to IEC 60947-2 277 V AC 60 Hz conforming to CSA C22.2 No 235 277 V AC 60 Hz conforming to UL 1077 48 V DC
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-2
Power Dissipation Per Pole	2 W
Mechanical Durability	8000 cycles
Electrical Durability	8000 cycles

Connections - Terminals	Connector 1 cable(s) 0.756 mm <sup>2</sup> solid without cable end Connector 2 cable(s) 0.754 mm <sup>2</sup> solid without cable end Connector 1 cable(s) 0.754 mm <sup>2</sup> flexible with cable end Connector 2 cable(s) 0.752.5 mm <sup>2</sup> flexible with cable end	
Tightening Torque	1.2 N.m on connector	
Mechanical Robustness	Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations: 5 Gn, 5110 Hz conforming to IEC 60068-2-6	
Quantity Per Set	Set of 6	
9 Mm Pitches	2	
Height	74 mm	
Width	15 mm	
Depth	67 mm	
Net Weight	0.07 kg	

### Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077
Product Certifications	UL CSA
Protective Treatment	тс
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-2060 °C
Ambient Air Temperature For Storage	-4080 °C
Fire Resistance	960 °C conforming to IEC 60695-2-1
Operating Altitude	3000 m

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	6.8 cm
Package 1 Length	7.3 cm
Package 1 Weight	60 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	8 cm
Package 2 Width	8.5 cm
Package 2 Length	9.2 cm
Package 2 Weight	383 g
Unit Type Of Package 3	S02
Number Of Units In Package 3	72
Package 3 Height	15 cm
Package 3 Width	30 cm

Package 3 Length	40 cm	
Package 3 Weight	4.904 kg	

# **Contractual warranty**

Warranty

18 months

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> 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

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 Pro-active China RoHS declaration (out of China RoHS legal scope)
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