# GB2CD12

TeSys, Circuit breaker, TeSys GB2, 1P+N, 6A, Icu 1.5kA at 240V, Thermal magnetic, DIN rail mounted





#### Main Range

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	3 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 1 kA Icu at 48 V DC conforming to IEC 60947-2
[lcs] 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
Magnetic tripping current	83 A

### Complementary

- Complementary		
Mounting mode	By clips	
Mounting support	Plate	
	Rail	
Mounting position	Horizontal	
	Vertical	
Control type	Toggle	
[In] rated current	6 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 mm²solid without cable end	
	Connector 2 cable(s) 0.754 mm²solid without cable end	
	Connector 1 cable(s) 0.754 mm²flexible with cable end	
	Connector 2 cable(s) 0.752.5 mm²flexible 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	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. This documentation is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Height	74 mm
Width	15 mm
Depth	67 mm
Net weight	0.07 kg

### Environment

Standards	EN/IEC 60947-1
Standards	
	EN/IEC 60947-2
	CSA C22.2 No 235
	UL 1077
	62 1677
Product certifications	UL[RETURN]CSA
Protective treatment	TC
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	60.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	7.5 cm
Package 2 Width	8.0 cm
Package 2 Length	9.5 cm
Package 2 Weight	386.0 g
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	4.964 kg

#### Offer Sustainability

Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant E EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	☑ China RoHS Declaration
RoHS exemption information	₽¥Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

147	40 (1
Warranty	18 months
vvarianty	10 months