

Technical data

Type of circuit breaker	GB2-CB		GB2-CD		GB2-CS		GB2-DB		GV2-RT	
Conforming to standards	IEC 947-1, 947-2 EN 60 947-1, 60947-2		IEC 947-1, 947-2 EN 60 947-1, 60947-2		IEC 947-1, 947-2 EN 60 947-1, 60947-2		IEC 947-1, 947-2 EN 60 947-1, 60947-2		IEC 947-1, 947-2 EN 60 947-1, 60947-2	
Product certification	ASE, CSA NEMKO, ÖVE, UL		ASE, NEMKO		-		ASE, CSA NEMKO, ÖVE, UL			
Protective treatment	TC		TC		TC		TC		TH	
Degree of protection conforming to IEC 529	IP 20		IP20		IP 20		IP 20		IP 20	
Vibration resistance conforming to IEC 68-2-6	5 gn (5 to 110 Hz)		5 gn (5 to 110 Hz)		5 gn (5 to 110 Hz)		5 gn (5 to 110 Hz)		5 gn (5 to 150 Hz)	
Ambient air temperature										
■ for storage	- 40°C + 80°C		- 40°C + 80°C		- 40°C + 80°C		- 40°C + 80°C		- 40°C + 80°C	
■ for operation	- 20°C + 60°C		- 20°C + 60°C		- 20°C + 60°C		- 20°C + 60°C		- 20°C + 60°C	
Temperature compensation	-		-		-		-		- 20°C + 60°C	
Cabling										
■ number and size of conductors	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
■ rigid cable	1 x 6 or 2 x 4 mm ²	1 x 0,75 mm ²	1 x 6 or 2 x 4 mm ²	1 x 0,75 mm ²	1 x 6 or 2 x 4 mm ²	1 x 0,75 mm ²	1 x 6 or 2 x 4 mm ²	1 x 0,75 mm ²	2 x 6 mm ²	2 x 1 mm ²
■ flexible cable with cable end	1 x 4 or 2 x 2,5 mm ²	1 x 0,75 mm ²	1 x 4 or 2 x 2,5 mm ²	1 x 0,75 mm ²	1 x 4 or 2 x 2,5 mm ²	1 x 0,75 mm ²	1 x 4 or 2 x 2,5 mm ²	1 x 0,75 mm ²	2 x 4 mm ²	2 x 1 mm ²
Tightening torque	1.2 Nm		1.2 Nm		1.2 Nm		1.2 Nm		1.7 Nm	
Utilisation category conforming to IEC 947-2 conforming to IEC 947-4-1	A -		A -		A -		A -		A AC-3	
Rated operational voltage (U _e) conforming to IEC 947-2	415 V*		250 V		415 V*		415 V*		690 V	
Rated operational frequency conforming to IEC 947-2	50/60 Hz		50/60 Hz		50/60 Hz		50/60 Hz		50/60 Hz	
Rated impulse withstand voltage (U _{imp}) conforming to IEC 947-2	4 kV		4 kV		4 kV		4 kV		6 kV	
Total power dissipated per pole	2 W		2 W		1,9 W		2 W		2,5 W	
Mechanical and electrical durability (C.O. : closing, opening)	8 000 C.O.		8 000 C.O.		8 000 C.O.		8 000 C.O.		100 000 C.O.	
Tripping threshold of the magnetic trips	12 to 16 In		12 to 16 In		5 to 7 In		12 to 16 In		20 to 22 In	
Operational current correction coefficient according to the ambient temperature (for GB2 only)										
Ambient temperature in °C	- 20	-10	0	+10	+20	+30	+40	+50	+60	
Correction coefficient	1.2	1.15	1.1	1.05	1	0.95	0.90	0.85	0.80	

*One GB2 in each live conductor



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