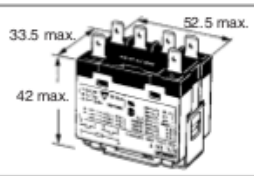
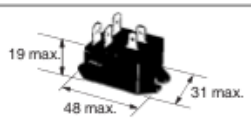
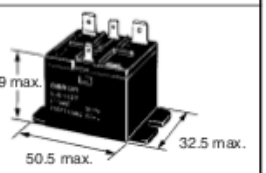
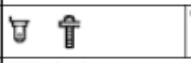
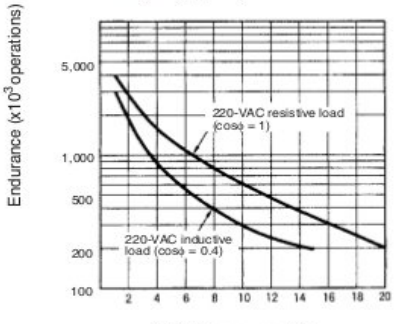
TÜV File No. R9151218 (IEC 255, EN 60335-1, VDE 0435)

Model	Coil ratings	Contact ratings	Operations
G4F-( )-TU	5 to 100 VDC	15 A, 250 VAC (cosϕ=1) 10 A, 250 VAC (cosϕ=0.4) 20 A, 250 VAC (cosϕ=1) 15 A, 250 VAC (cosϕ=0.4)	100 x 10^3

Classification		Built-in Relay					
Model		G7L			G4F		G4B-112T
Appearances							
Features		Multi-pole power relay that withstands a momentary voltage drop. Wide range of applications with 100 V and 200 V coils. Both screw terminals and PCB terminals are available.			High-power relay that breaks 20 A, carries 20 A and withstands 60-A inrush.		Compact power relay that breaks 15 A, carries 20 A and withstands 55-A inrush. AC specification coils also available.
Contact ratings	Contact form	SPST-NO	DPST-NO	SPST-NO, DPST-NO	SPST-NO	SPDT	SPST-NO
	Mechanism	Double-break			Single		Single
	Material	Ag-alloy			Ag-alloy		Ag-alloy
	Rated load* (Resistive load)	30 A at 220 VAC	25 A at 220 VAC	20 A at 220 VAC	20 A 220 VAC	15 A 220 VAC	15 A at 220 VAC/24 VDC
	Max. switched current	30 A	25 A	20 A	20 A	15 A	15 A
	Failure rate (reference value)	100 mA at 5 VDC			100 mA at 5 VDC		100 mA at 5 VDC
Coil ratings	Rated voltage	6 to 100 VDC 12 to 200/240 VAC			12, 24 VDC		12 to 100 VDC 100 VAC
	Power consumption (approx.)	1.9 W (DC) 1.7 to 2.5 VA (AC)			0.9 W (DC)		1.2 W (DC) 1.3 VA (AC)
Endurance	Mechanical	1 x 10^6			5 x 10^6		10 x 10^6
	Electrical	100 x 10^3			200 x 10^3		200 x 10^3
Dielectric strength	Between coil and contacts	4,000 VAC for 1 min.			2,000 VAC for 1 min.		2,000 VAC for 1 min.
	Between contacts of different polarities	---	2,000 VAC for 1 min. (DPST-NO only)		---		---
	Between contacts of same polarity	2,000 VAC for 1 min.			1,000 VAC for 1 min.		1,000 VAC for 1 min.
	Between set and reset coil	---			---		---
Ambient temperature		–25°C to 60°C			–25°C to 55°C		–10°C to 55°C
Function		• Test button (excluding P models)			---		---
Sealing		• Cased (unsealed)			• Cased (unsealed)		• Cased (unsealed)
Terminal construction**							
Approved standards							
Page		175			188		192

G4F-1112TP(-US) (-TU)