GU (Quick Contact TAB)









Main Feature

- GU Single contact Form (SPST) series Relay offers switching capacity by 30 Amps in small size for various kinds of applications.
- Simple magnetic circuit to meet mass production for low cost offer. Standard type is open type without duct cover. In addition, dust cover and sealed cover types are available to meet customer's various requirements.
- 3. -SS Flow Solder Type (Dust Cover) is available for PC Board processing.
- 4. PC Board mounting & quick connect terminals can be used for various application.
- 5. Flanged Cover can be fixed by screw or by snap-in mounting track.

Contact Rating

Load Type	GU (DM)	GU (DB)	GU (D)	
	30A 120VAC	10A 240VAC	NC: 10A 240VAC	
Rated Load (Resistive)	30A 240VAC	10A 30VDC	10A 30VDC	
Nated Load (Nesistive)	30A 30VDC	-	NO: 20A 240VAC	
	-	-	20A 30VDC	
Contact Capacity	1-1/2HP 240VAC	1-1/2HP 240VAC	1-1/2HP 240VAC	
Contact Capacity	1/2HP 240VAC	1/2HP 240VAC	1/2HP 240VAC	
Rated Carrying Current	30A	10A	20A	
Max. Allowable Voltage	AC 250V	AC 250V	AC 250V	
Max. Allowable Current	30A	10A	20A	
Max. Allowable Power Force	7,200VA	2,400VA	4,800VA	
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	
Contact Form	SPST	SPST	SPDT	

Application

Domestic Appliances, Heating, Ventilating and Conditioning System, Car Control Switching Box, General Power Switching Applications.

Performance (at Initial Value)

:	Contact Resistance	15 mSec. Max.
	Between Coil & Contact	1,500VAC at 50/60 Hz for one minute.
	Between Contacts	1,500VAC at 50/60 Hz for one minute.
■	Insulation Resistance	.100 MegaΩ Min. at 500VDC.
•	Max. On/Off Switching : Electrical	, ,

Temperature Range.....-30~155°C

Humidity Range......45~85% RH. Coil Temperature Rise......60°C Max.

Vibration:

Shock:

■ Life Expectancy :

Resistive Load.

WeightAbout DMF : 34 g.

DMFS: 34.6g. DMQ: 32.6g.

Safety Standard & Its File Number

C -UL	E141060
C -UL Class F Insulation Sy	stemE181845
TÜV (12/24DMQ only)	R2057813

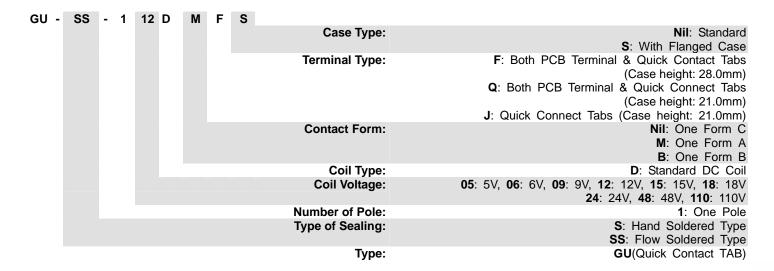


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Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
	5	185	27	Abt. 0.93	ot. 0.93 80% Maximum	5% Minimum	150% but for short time carrying current
GU	6	150	40				
	9	93	97				
	12	77	155				
	15	59	255				
	18	47	380				
	24	36	660				
	48	19.4	2,480				
	110	8.5	13,000				

Ordering Information



Classification

Model	GU (Q-C-T)						
Terminal Type	F : PCB terminal &	F: PCB terminal & Quick Connect Tabs Case Height:28mm			Q : PCB terminal & Quick Connect Tabs Case Height:21mm		
Case Type	Nil : Standard (Case	e S : (With Flanged Case)		Nil : Standard Case		
Contact Form	1C	1	A	1B	1C	1A	1B
Hand Soldered	GU-S-1□□DF(S)	GU-S-1	DMF(S)	GU-S-1 DBF(S)	GU-S-1□□DQ	GU-S-1□□DMQ	GU-S-1□□DBQ
Flow Soldered	GU-SS-1□□DF(S)	GU-SS-1	DMF(S)	GU-SS-1□□DBF(S)	GU-SS-1□□DQ	GU-SS-1□□DMQ	GU-SS-1□□DBQ



GU (Quick Contact TAB)

Dimension (≤5mm+0.2mm, >5mm+0.3mm, the tolerance of PCB thru hole: +0.1mm)

