

**MINIATURE  
HEAVY-DUTY RELAYS**

**SFC-RELAYS**



**UL,C-UL  
VDE  
CQC**

- High contact capacity with superior inrush current characteristics.
- Excellent high heat-resistance.
- High dielectric strength:10,000V surge 10,000V.

**SPECIFICATIONS**

**Contact**

Arrangement	2a
Initial contact resistance,max. (By voltage drop 6 V DC 1A)	50m Ω Max.
Contact material	Silver alloy
UL/C-UL rating Resistive load (cos φ=1)	25A 277VAC 2HP 277VAC
VDE rating Resistive load (cos φ=1)	25A 250VAC 25A 120VAC
Inductive load (cos φ=0.75)	25A 250VAC 25A 120VAC
CQC rating	25A/100A 250VAC
Expected life(min.ope) Mechanical(at 180 cpm) Electrical(at 20 cpm)	1x10 <sup>6</sup> 1x10 <sup>5</sup>

**Coil**

Nominal operating power	1.7-2.5VA
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**Characteristics**

Operate time (at nominal voltage)	30msec.Max.	
Release time (at nominal voltage)	30msec.Max.	
Operate humidity	45 to 85% RH	
Initial insulation resistance	100 M Ω Min.(at 500 VDC)	
Initial breakdown voltage Between open contacts Between contacts and coil	4,000 VAC(50/60Hz) for 1 min. 2,000 VAC(50/60Hz) for 1 min.	
Temperature rise(max.) (at nominal voltage)	35 deg.	
Operating humidity	45 to 85% RH	
Ambient temperature	-40 to +85°C	
Shock resistance	Functional	10 GMin.
	Destruction	100 GMin.
Vibration resistance	Functional	10 to 55 Hz at double amplitude of 1.5mm
	Destruction	10 to 55 Hz at double amplitude of 1.5mm
Temperature rise	35deg.Max.	
Unit weight	Approx.100g	
UL/C-UL File NO.	E197454	
VDE File NO.	1331	
CQC File NO.	CQC02001002130	

## TYPICAL APPLICATIONS

- Family electrical equipment,air controlling equipment,office equipment,etc.

## ORDERING INFORMATION

Type	Number of pole	Coil voltage	Coil sensitivity	Contact form	Assembly Type
SFC	2:2 pole	AC:12, 24, 110, 220 DC:12, 24, 48, 110	D:1.9W A:1.7-2.5VA	M: form A	B: Screw Terminal Type T: Tab Terminal Type