HF26F-T(JQC-26F-T) SUBMINIATURE HIGH TEMPERATURE RELAY

c UL us
File No.:E133481

VDE
File No.: 40013995

Features

- 4000VAC surge voltage(between coil and contacts)
- 10A 250VAC switching capacity (at 105°C)
- Clearance / creepage distance meeting VDE0435 / 0700
- UL94, V-0 flammability class
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (15.0 x 15.0 x 20.0) mm

CONTACT DATA

Contact arrangement	1A	1C
Contact resistance		50mΩ (at 1A 6VDC)
Contact material		AgNi90/10
Contact rating	10A 250VAC	NO: 10A 250VAC NC: 4A 250VAC
Max. switching voltage	400VAC	250VAC
Max. switching current		15A
Max. switching power		2500VA
Mechanical endurance		5×10^6 OPS
Electrical endurance		2.5×10^4 OPS

CHARACTERISTICS

Insulation resistance		100MΩ (at 500VDC)
Dielectric strength	Between coil & contacts	3400V 1min
	Between open contacts	1000V 1min
Surge voltage (Between coil & contacts)		4000Vrms
Operate time (at nomi. volt.)		15ms max.
Release time (at nomi. volt.)		15ms max.
Bounce time		15ms max.
Temperature rise (at nomi. volt.)		60K max.
Shock resistance (Destruction)		$1000 m/s^2$ (100g)
Vibration resistance		30Hz to 400Hz 4g
Humidity		40% to 85% RH
Ambient temperature		-40°C to 105°C
Termination		PCB
Unit weight		Approx. 5.6g
Construction		Flux proofed

Notes: The data shown above are initial values.

COIL

Coil power	360mW

COIL DATA at 23°C

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
5	3.75	0.5	8.0	70 x (1±10%)
6	4.50	0.6	10.0	100 x (1±10%)
9	6.75	0.9	14.5	225 x (1±10%)
12	9.00	1.2	18.5	400 x (1±10%)
18	13.5	1.8	26.0	900 x (1±10%)
22	16.5	2.2	34.0	1345 x (1±10%)
24	18.0	2.4	35.5	1600 x (1±10%)
36	27.0	3.6	52.0	3600 x (1±10%)

Notes: Other coil voltage on request.

SAFETY APPROVAL RATINGS

UL&CUR	1 Form A	10A 250VAC
	1 Form C	10A 250VAC
VDE	1 Form A	10A 250VAC
	1 Form C	NO:10A 250VAC NC: 4A 250VAC

Notes: Only some typical ratings are listed above. If more details are required, please contact us.

ORDERING INFORMATION

HF26F-T /	012	-1H	(XXX)

Type [1] HF26F-T
JQC-26F-T (Old type)

Coil voltage 5, 6, 9, 12, 18, 22, 24, 36VDC

Contact arrangement **1H:** 1 Form A **1Z:** 1 Form C

Customer special code [2] Only for special requirements, e.g. (555) stands for RoHS compliant

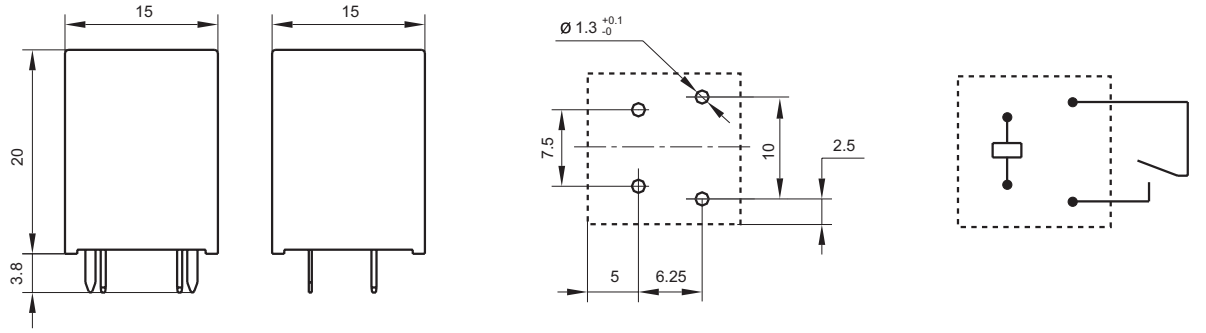
Notes: 1) We have now gradually updated our ordering information. We suggest new type should be selected. If necessary, old type can be kept for some period for the old customers.
2) HF26F-T is an environmental friendly product. Please mark a special code (555) when ordering.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

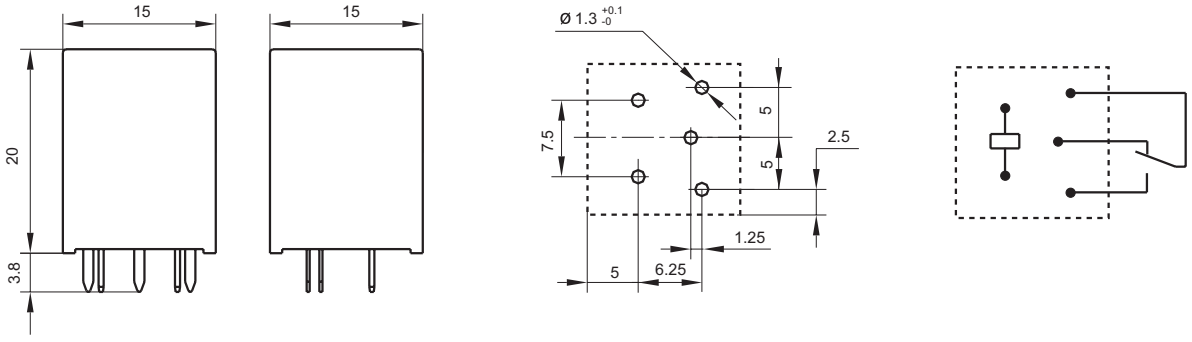
Unit: mm

Outline Dimensions | PCB Layout (Bottom view) | Wiring Diagram (Bottom view)

1 Form A



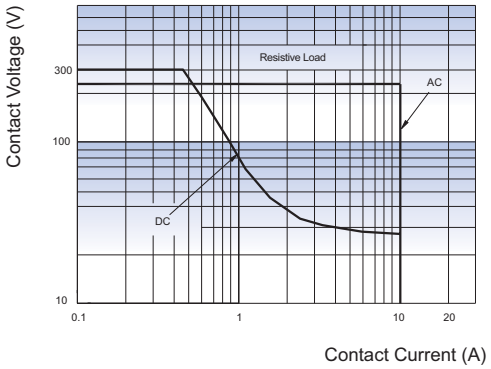
1 Form C



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
2) The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE