

DH series

■ Features

- It is a general purpose power relay of 1-pole 10A, 16A, 2-poles 5A boasting high reliability and achievement.
- PCB type and tab terminal type are prepared.
- Small size, easy to use 1-pole and 2-poles relay.
- DH2TU is ideal for audio speaker protection etc.

■ Model numbering system



| | |
|-------------------------|---|
| Rated coil voltage: | Numeric part indication DC (V): 5, 12, 24 |
| Coil type | D: DC |
| Number of contact poles | 1: 1 pole 2: 2 poles |
| Shape indication | O: PCB terminals F: Flange-mounting type (#187 tab terminal) |
| Contact configuration | (M): Make contacts T(M): Crossbar twin contacts (GS alloy) Nil: Transfer contacts |
| Notes | II: Seal type 16A: High-capacity, 1-pole, 16A type |

■ Safety standards

| | Contact rating (1-pole) | | | Contact rating (2-poles) | | |
|-------|--|---|-------------|--------------------------|--|-------------------------|
| | DH1U | DH1U-II | DH1U-16A | DH1FU | DH2U | DH2TU |
| UL | 10A 250V AC 8A 265V AC 1/3hp 265V AC TV-8/120VAC | 16A 250V AC 8A 265V AC 1/3hp 265V AC | 16A 250V AC | 10A 277V AC | 5A 265V AC 3A 30V DC 1/12hp 265V AC TV-3/120VAC | 3A 120V AC 3A 30V DC |
| CSA | 10A 250V AC 10A 30V DC TV-8/120VAC | 16A 250V AC | 16A 250V AC | | 5A 250V AC 3A 30V DC 1/4hp 240V AC TV-3/120VAC | 3A 120V AC 3A 30V DC |
| VDE | 10A (cos φ=1) 7.5A (cos φ=0.4) 250V AC | 16A (cos φ=1) 12A (cos φ=0.4) 250V AC | | 10A (cos φ=1) 250V AC | | |
| SEMKO | | | | | 5A/60A 250V AC | |
| TUV | 5A (cos φ=1) 250V AC 3A (cos φ=0.4) 250V AC 5A (L/R=0ms) 30V DC 5A (L/R=7ms) 30V DC | | 16A 250V AC | | | |
| CQC | | 16A 250V AC | | | | |

Electrical Appliances and Materials Safety Act

Conformable

■ Coil ratings

| AC/DC | Item Voltage | Rated current (mA) | Coil resistance (Ω) | Operate voltage (V) | Release voltage (V) | Maximum voltage (V) | Power consumption (W) |
|-------|--------------|--------------------|---------------------|------------------------|---------------------|---------------------|-----------------------|
| | | | | Ratio to rated voltage | | | |
| DC | 5 | 106 | 47 | 80% max. | 10% min. | 110% | 0.53 |
| | 12 | 44 | 275 | | | | |
| | 24 | 22 | 1100 | | | | |

- Notes: 1. Rated current and coil resistance are values at coil temperature of 20°C, tolerance is ±10%.
- 2. Operate voltage and release voltage are values at coil temperature of 20°C.
- 3. Maximum voltage is the maximum value of the allowable voltage fluctuation range of the relay coil operating power supply with the ambient temperature at 20°C.

DEC is a professional manufacturer of relays

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