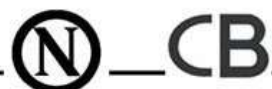


VDHS47L20B500K POTENTIOMETER

rotational type with 10A

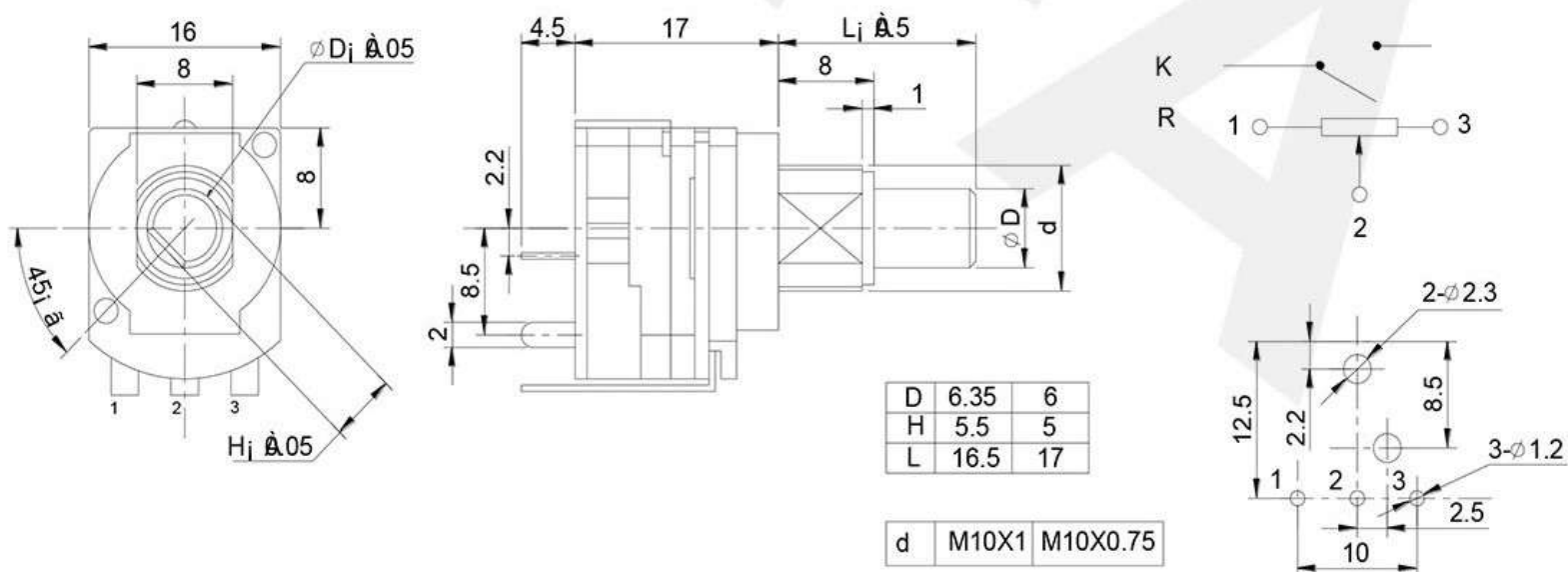
Heavy duty switch



FEATURES

- VDE,NEMKO ,CB CERTIFICATE
- Conforms to 1058-1/EN61058-1 (VDE0630) standard
- High reliability, long life, big switch capacity type
- Form A (SPST-NO) Contact
- Glass fiber-filled flame-retardant polymer
- Special silver alloy contact
- Solder terminal
- Used for lighting fixture, dimmer, etc

OUTLINE DRAWING AND MOUNTING HOLE DETAIL



VOLUME SWITCH VDHS47L20B500K

www.refaelectronics.com

SPECIFICATION

1-Carbon plate

Resistance range	1KΩ~2MΩ
Rated power (50°C)	B:0.2W; A, C:0.05W
Maximum Resistance	±18% (1M ±30%)
Maximum working voltage	AC 250V
Taper	A,B,C

2-General

Insulation resistance	Min.100MΩ at DC500V
Dielectric strength	AC750V1minute (between open contacts) AC1500V 1minute (between carbon and contacts)
Total Rotational Angle	270° ±5°
Rotational noise	≤47mv
Residual resistance	≤1% R
Rotational Torque	2~20mN.m
Shaft stop strength	1Kgf.cm
Switch working angle	40° max
Switch working force/Torque	50~300 gf.cm
Temperature Range	-20℃~70℃ (at normal voltage)
Click position	0 detent
Welding tin temperature	T≤260℃, t≤10S

3-Contact

configuration	1 form A (SPST-NO)
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4-Switch contact ratings (Resistive)

Material	Special silver alloy
Type	Single type
Resistance (initial)	Max.50m Ω (at DC6V 1A)

Swintch rating	AC250V 10A or DC24V
Max. Switching Power	2,500W
Max. Switching Voltage	AC 250V,DC150V
Max. Switching Current	10A
Max. Carrying Current	15A
Min. Switching Load	DC5V, 100mA

5-Durability

Mechanical life	50,000 operations (10~17 times/minute)
Electrical life	30,000 operations (10~17 times/minute)

6-Withstand vibration property

Misoperation	10 to 55 Hz Double amplitude of 3.3mm
Endurance	10 to 55 Hz Double amplitude of 3.3mm

7-Shock Resistance

Misoperation	100m/ S ² (11±1ms)
Endurance	500m/ S ² (6±1ms)

SAFETY STANDARD AND FILE NUMBERS

- VDE File no: 40008536
- NEMKO File no: P03200765