



Technical Data

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General

BEZEL

Noryl, anodized aluminum alloy.

MOUNTING

Central with metal nut. Mounting tools available from T&H.

LENS

Engravable polycarbonate in different colors.

CONTACT BLOCK CASING

Diallylphthalate, heat-resisting and self-quenching (UL 94 VO).

SWITCHING CONTACTS

Silver nickel contacts, 5µ gold-plated (for small currents and voltage) or, 5µ silver plated.

CONTACT BLOCK TERMINALS

th4 & th5. Patented, bendable gold-plated double solder terminals will accept 2 x AWG 18 stranded or 4 x AWG 20 wire. th25 gold or silver plated solder terminals accept 2 solid AWG 18 or 2 stranded AWG 20 wire. Faston accepts 2.8 x 0.5 mm (.110 x .020) terminals.

AMBIENT TEMPERATURE

-30°C to +55°C
Heat congestion in assemblies of illuminated switches and signal lamps should be avoided.

PROTECTIVE SYSTEMS

General IP40, oil tight and dust proof.
Special oil-tight, splash-proof and submersible switches in accordance with IP65 and IP67.

TEST MARKS

SEV, VDE, DEMKO, SEMKO, NEMKO, CEE, SUVA, OEVE, UL and CSA.

VIBRATION

Amplitude 1.5mm pp at 55 Hz at 0.060 D.A.

ACCELERATION

10g in all three planes.

DIELECTRIC STRENGTH

2000 VAC one minute duration.

INSULATION RESISTANCE

2000 Megohms.

Mechanical

SWITCHING MECHANISM

Snap-action contacts with a minimum of bouncing and optimum self cleaning.

CONTACT ASSEMBLY

th4 & th5 1 NO and/or 1 NC contact per contact block. Up to four contact blocks can be assembled.

th25 1 NO and/or 1 NC or 2 NO and/or 2NC contacts per block. Up to two contact blocks can be assembled.

LIFE-MECHANICAL

2,000,000 switching operations.

ACTUATING FORCE

Approximately 30 grams.

CHANGE OVER MECHANISM

From maintained to momentary.

Electrical

SWITCHING CAPACITY

250V AC/5A (cos w 0.7).

DC LOAD

(resistive load)
12V/5A, 24V/4A, 36V/3A, 48V/2A, 60V/1.5A,
125V/0.5A, 250V/0.3A.
(inductive load L/R = 15 ms)
12V/3A, 24V/2A, 36V/1.7A, 48V/1.5A, 60V/1.2A,
125V/0.3A, 250V/0.2A.

LIFE

Approx. 70,000 switching operations at 5 amps, 250VAC (cos w 0.7).

LAMPS th4

Telephone lamps with plug-in socket T 5.5 (incandescent lamps, neon bulbs, LED's).

LAMPS th5 AND th25

Midget-grooved lamps T 1¼ (incandescent lamps, LED's, and neon bulbs).

CONTACT RESISTANCE

Gold contacts ≤ 20 mΩ.
Silver contacts ≤ 50 mΩ.

Subject to change without notice.