SBE / SBF LIGHTED PUSHBUTTON SWITCHES - SEALED (IP65)

Models Dimensions Part Number SBE Lighted pushbutton switch 18 x 24mm SBE 0041.3012 Can be combined with all contact blocks. With colored, transparent or covered lenses as well as with legend plate inserts and indicator Panel cutout for key position. SBE Lighted pushbutton switch 18 x 18mm SBE 0041.3014 Can be combined with all contact blocks. With colored, transparent or covered lenses as well as with legend plate inserts and indicator CE Panel cutout for key position. SBE Lighted pushbutton switch SBE 0041.3016 Ø 18mm Can be combined with all contact blocks. With colored, transparent or covered lenses as well as with Panel cutout legend plate inserts and indicator $C \in$ for key position. SBF emergency STOP switch SBF 0041.3009 Ø 32mm Can be combined with contact block 0041.3101/3102 Red mushroom switch, latching in depressed position, twist to reset. With center of pressure for inadvertant operation. 0886.0008 (required accessory) Panel cutout Yellow, panel nameplate, PVC foil, self adhesive, 16mm cutout

General Description

SBE and SBF actuators permit optimum use of the avialable area with minimum space requirement and are the mechanically robust version of the EMF series actuators (see pg. 56). The SBE is built according to SEV 1005, VDE 0630, SEMKO 124, CSA C22.2/14, UL 508, CEE 24. Both the SBE and SBF have international approvals from UL, CSA, VDE, SEMKO, SEV.

The actuators can be used with incandescent lamps, neon lamps and LED's with sockets and resistors. The actuator sockets accept mini lamps T5, 5K-22 max. length.

Technical data		
Degree of protection (see pg. 93 for key to IP codes)	IP 65 according to IEC 529 (front side)	
Protection class	qualified for equipment of protection class II/IEC 536	
Actuating force	8 N	
Operating travel	6 mm	
Rated insulation voltage Rated voltage Rated current	AC (category 11) U _i 250 V U _e 250 V I _e 5 A SEV/CSA 6.3 (3) A VDE/UL/SEMKO 1-pole 4 (3) A SEMKO 2-pole	DC (category 11) U _i 300 V U _e 220 V, 110 V, 60 V, 24 V I _e 0.2 A, 0.4 A, 1 A, 2 A
Mech. lifetime Breaking capacity	10 ⁶ 10•I _e	10 ⁵ 1.1•I _e



Models Dimensions Part Number Momentary action, unlighted SEK 0041.3101 • 1 N.O. + 1 N.C. contact Momentary action, lighted SEK 0041.3105 • 2 N.O. + 2 N.C. contacts T5.5K lamp sockets · lamps ordered separately; see page 64) CE Latching action, lighted SEK 0041.3109 • 2 N.O. + 2 N.C. contacts T5.5K lamp sockets · lamps ordered separately; see page 64) CE

Contact block with hard silver contacts

The series SEK contact blocks can be connected to built-in units as described on page 59. The 2.8 x 0.8 mm quick connect terminals can also be used as solder terminals. The contact blocks have a quick-release fastener for connecting to the actuators. The contact blocks each have one N.C. and one N.O. contact (change-over). The contacts are self cleaning by the slight relative motion of the connection link. Contact break is duplicated and under contraint for the N.C. contact. Other contact configurations available on request.

Terminal markings

The terminals are deignated in accordance with European standard EN 50013 with 21 and 22 (31 and 32) for N.C. contacts and 13 and 14 (43 and 44) for N.O. contacts. The lamp terminals are marked "X1" and "X2".

Illumination

The actuators can be used with incandescent lamps, neon lamps and LED's with sockets and resistors. The actuator sockets accept mini lamps T5, 5K-22 max. length.

Approvals

UL Recognition (File #E73407) VDE Approval SEV Approval CSA Certification (File #LR14568) SEMKO Approval