S60 – HMI-Switches

DESCRIPTION

Keylock switch with multiple locking functions

- Cylinder locks with 5 tumblers.
- Positions in which the key cannot be retained are freely selectable.
- Up to 200 different locks possible.
- Gold contacts on request.
- Impulse contact for first or last switching position (spring return).
- Type S40: Max. 4 levels per switch for free wiring.
- Type S60: with one level alternatively for printed circuits or free wiring.

Locking versions:

- Identical key codes, A.
- Different key codes (max. 200), B.
- Master key system.
- Up to 15 different locks can be operated with one main key, C.

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- Pass key system:
  - Up to 9 keys in max. 3 groups.
  - Main key for all keys, pass keys for up to 3 locks per group, D.
- Up to 4 different priority status keys, E.
- Central locking key system:
  - Up to 9 different key lock switches and one central key lock switch, which can be operated with all keys, F.
- Different keys to switch clockwise or anti-clockwise from a neutral position, G.

TECHNICAL DATA

CONSTRUCTION AND MECHANICAL DATA , TYPICAL VALUES (T=23°C)

NUMBER OF WAFERS MAX.	4 wafers
SWITCHING COMBINATIONS PER WAFER **DESIGN B, DETENT ANGLE 60°** **DESIGN F, DETENT ANGLE 30°**	1x6 to 1x2; 2x3 to 2x2; 3x2; 4x2Code 61; 1x12 to 1x2; 2x6 to 2x2; 3x4 to 3x2; 4x3 to 4x2
CONTACTS	Soldering lugs; Single-wafer switch also with pins (S60)
MOUNTING	Central front-mounting; rear mounting with front ring
STOPS	Fixed or without stop
OPERATING TORQUE	≥6 Ncm
CONTACT MATERIAL	Ag; Au on request
INSULATING MATERIAL WAFER	Diallylphthalate, DAP; Code DI
INSULATING MATERIAL ROTOR	Noryl, PPO; Code NO
SOLDERING TIME AND TEMP.	5s at 260°C; 3s at 350°C manual soldering

ELECTRICAL DATA, TYPICAL VALUES (T=23°C)

SWITCHING POWER MAX.	Ag-version 10 VA/W
SWITCHING CURRENT MAX.	0,5 A
REST CURRENT MAX. AT 20°C	2 A

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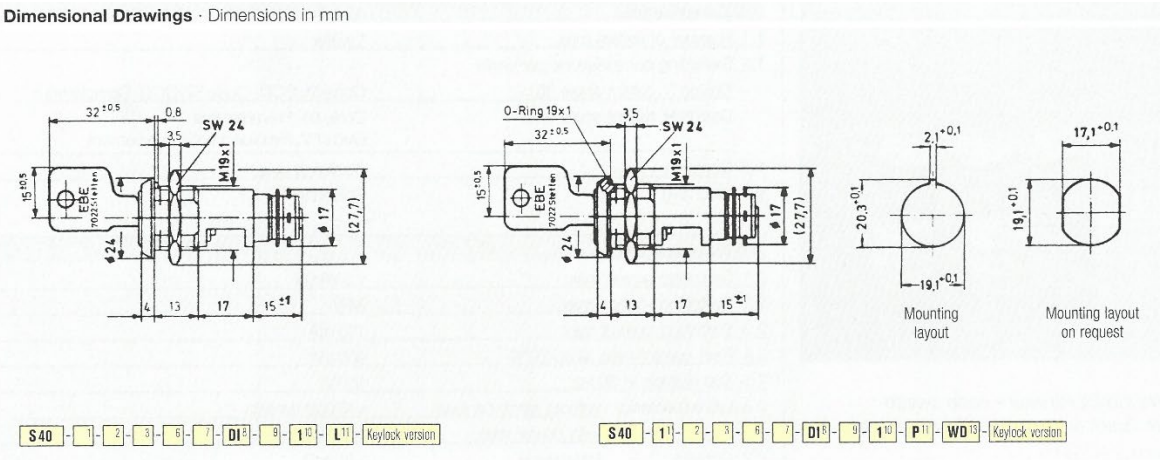
DIMENSIONS

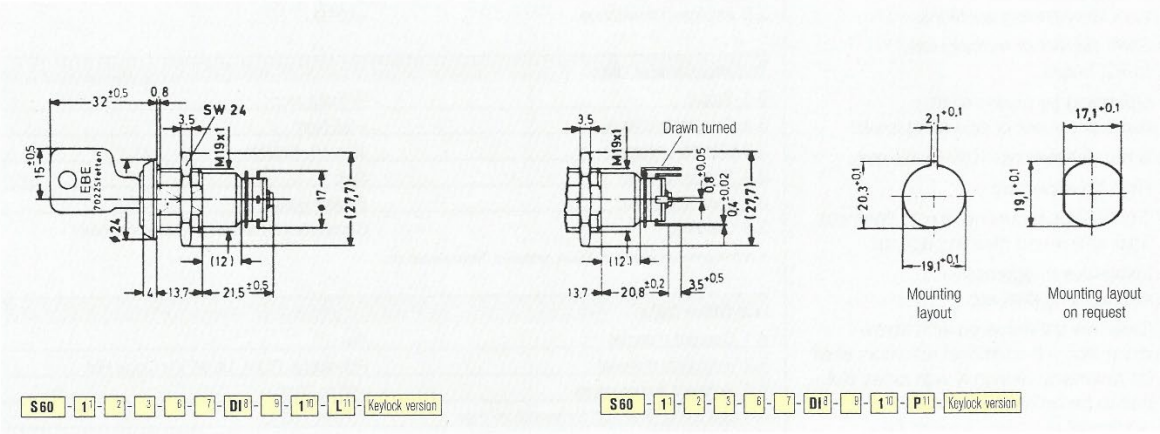
The bold-typed data in the yellow order blocks remain unchanged.
Normal-typed data matches the drawings and can be modified according to your wishes.
Blanks need to be completed according to the ordering details on the inside front cover.

Dimensional Drawings · Dimensions in mm



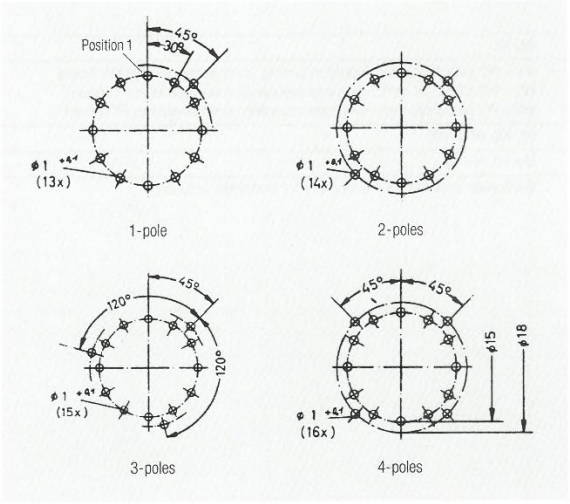
S 40 MX · Standard version

S 40 MXD · Sealed version

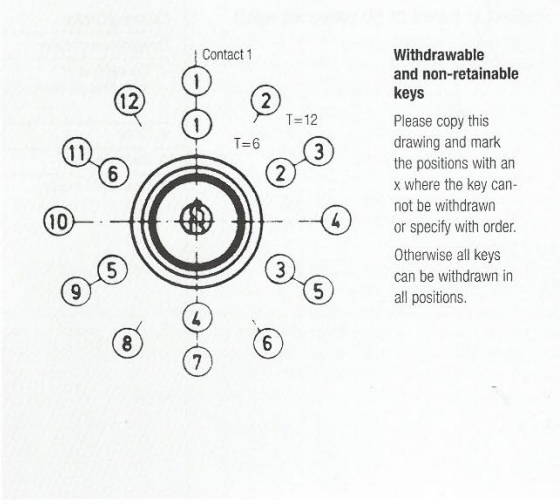


S 60 MX · Standard version

S 60 EMX · Soldering pin version



Drill scheme for wafers – view from mounting side



Non-retainable key positions

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SAFETY AND WARNING NOTES

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REVISION

REVISION	DATE	DESCRIPTION
1.0	29.07.2026	Initial Data Sheet Short Version

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