

Keylock Switches

Type 01 and 06

Description

Thanks to the intelligent and rugged design of our locking cylinders, we are able to offer an exclusive range of keylock switches. These security locks are a high-quality product and have provided reliable service to the electronics market for more than 30 years. Locking cylinders with 1 to 4 key functions are available, i. e. 1 to 4

different keys can be inserted in the same lock for selective switching of different positions (access hierarchy). The switching elements used are our switches of types 01 and 06, both with an indexing angle of 30°. Locking

cylinders of the same type, are also used for locking of control and computer desks, house doors, etc. (on request). For orders of 20 pieces or more, keylock switches can be designed according to customer specifications.

Technical Data

You will find the technical data for the switches Types 01 and 06 on pages 94 and 114.

Explanations to locking cylinders and keys

Types of locking mechanism

Identical locking: The same key is used for all locking cylinders.

Different locking: A different key is used for each locking cylinder.

Small series and samples are only available in the "identical locking" mode.

Locking systems

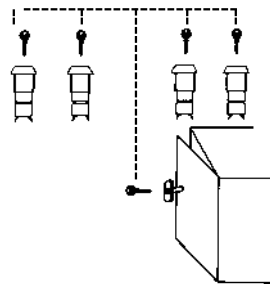
Central lock suite: A central lock can be actuated with any of the keys used for keylock switches with "different locking" mode.

Master key suite: Several locking cylinders for "different locking" can be actuated using a master key (also referred to as skeleton key).

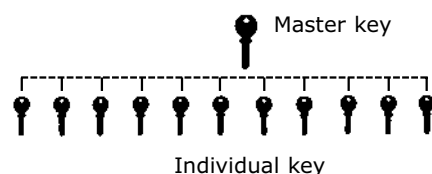
Reordering

When reordering locking cylinders and keys it is essential to indicate the numbers engraved.

Central lock suite



Master key suite

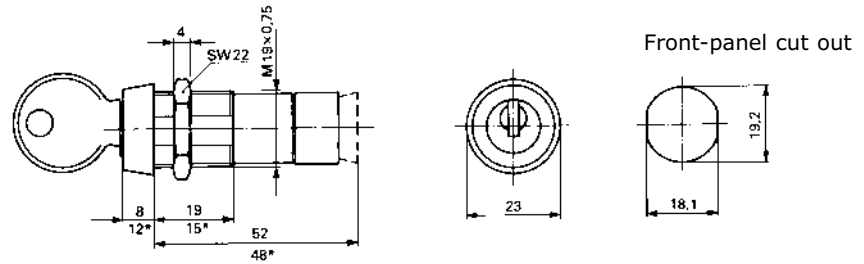


Keylock Switches

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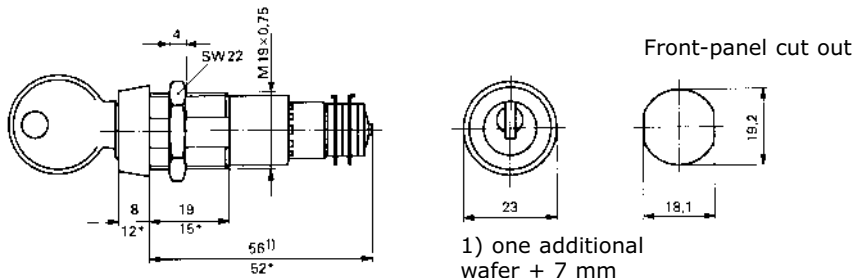
Dimensions

Locking cylinder with type 01 switch



* For cylinders with 4 key functions

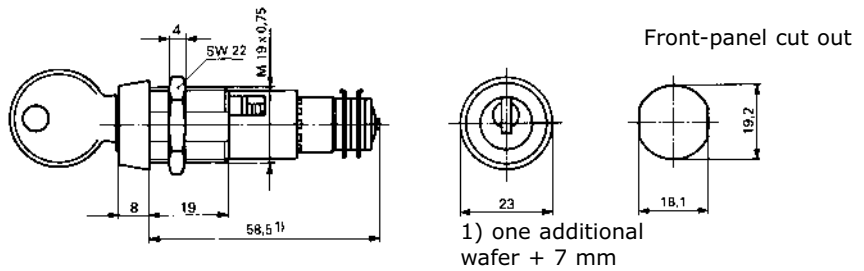
Locking cylinder with type 06 switch



* For cylinders with 4 key functions

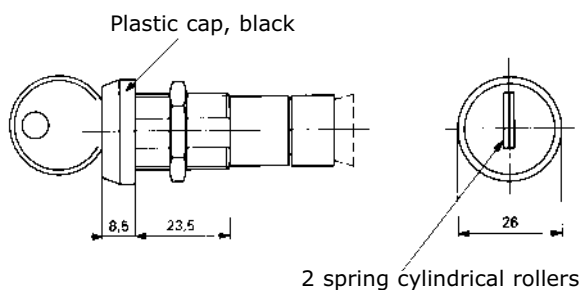
1) one additional wafer + 7 mm

Locking cylinder with type 06 switch, with momentary contact



1) one additional wafer + 7 mm

Locking cylinder with protective cap



The plastic cap offers effective protection against dust and splash water.

Keylock Switches

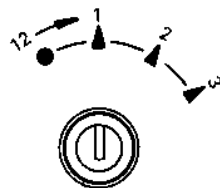
Type 01 and 06

Choice of standard locking cylinders

	Switching position						Key function	Switch code	Order code
	11	12	1	2	3	4			
with 1 key function			▲	●			P	I	KA
			▲	●	●		P	I	KB
			▲	●	●	●	P	II	KC
		●	▲				P	I	KD
		●	▲	●			P	I	KE
		●	▲	●	●		P	II	KF
		●	▲	●	●	●	P	III	KG
	●	●	▲	●			P	II	KH
	●	●	▲	●	●		P	III	KJ
	●	●	▲	●	●	●	P	III	KK
			▲	▲	●		P	I	LA
			▲	▲	●	●	P	II	LB
		▲	▲	▲			P	I	LC
		▲	▲	▲	●		P	II	LD
		▲	▲	▲	●	●	P	III	LE
	●	▲	▲	▲	●		P	III	LF
			▲	▲			P	I	MA
			▲	▲	▲		P	I	MB
		▲	▲	▲	▲	P	II	MC	
	●	▲	▲			P	I	MD	
	●	▲	▲	▲		P	II	ME	
	●	▲	▲	▲	▲	P	III	MF	
●	●	▲	▲			P	II	MG	
●	●	▲	▲	▲		P	III	MH	
●	●	▲	▲	▲	▲	P	III	MJ	
with momentary contact (Switch Type 06)			▲	←			P	V	KM
		→	▲	←			P	V	KN
			▲	▲	←		P	V	LM
			▲	▲			P	V	MM
		→	▲	▲			P	V	MM
		→	▲	▲	▲		P	VI	MN

Explanation: ▲ = Key withdrawable ● = Key not withdrawable ● = Momentary contact

Example of application



Lock with order code MN

Positions 1, 2, 3 = Key withdrawable

Position 12 = Momentary contact, from position 12 back to 1

Lock order code = MN

Switch code = VI

The following type 06 switches can be used:
 1 x 12
 2 x 12
 2 x 6
 4 x 6
 3 x 4
 6 x 4

Keylock Switches

Type 01 and 06

Choice of standard locking cylinders

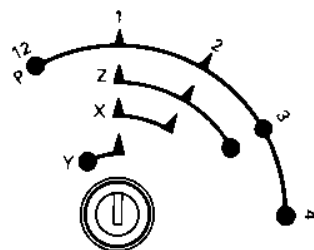
	Switching position						Key function	Switch code	Order code
with 2 different key functions			▲	▲	●		P	I	NA
			▲	▲			Z		
			▲	▲	●	●	P	II	NB
			▲	▲			Z		
		▲	▲	▲			P	I	NC
			▲	▲			Z		
		▲	▲	▲	●		P	II	ND
			▲	▲			Z		
		▲	▲	▲	●	●	P	III	NE
			▲	▲			Z		
	●	▲	▲	▲			P	II	NF
			▲	▲			Z		
			▲	▲			Z	I	RA
		▲	▲				X		
			▲	▲	●		Z	II	RB
		▲	▲				X		
		▲	▲	●	●	Z	III	RC	
	▲	▲				X			
		▲	▲			Z	II	RD	
●	▲	▲				X			
		▲	▲	●		Z	III	RE	
●	▲	▲				X			
		▲	▲	●	●	Z	III	RF	
●	▲	▲				X			
		▲	▲	▲	▲	P	I	SA	
		▲	▲	▲		Z			
	●	▲	▲	▲		P	II	SB	
		▲	▲			X			
	●	▲	▲	▲	▲	P	III	SC	
		▲	▲	▲		Z			
with 3 different key functions			▲	▲	▲	▲	P	II	SD
			▲	▲	▲		Z		
			▲	▲			X		
		●	▲	▲	▲		P	II	SE
			▲	▲	▲		Z		
			▲	▲			X		
	●	●	▲	▲	▲	▲	P	III	SF
			▲	▲	▲		Z		
			▲	▲			X		
			▲	▲	●	●	P	II	TA
		▲	▲	●		Z			
		▲	▲			X			
	●	▲	▲	●		P	II	TB	
		▲	▲			X			
●	▲					Y			
with 4 different key functions	●	▲	▲	●	●	P	III	TC	
			▲	▲	●				Z
			▲	▲					X
	●	●	▲	▲	●	●	Y		
	●	●	▲	▲	●	●	P	III	TD
			▲	▲	●		Z		
		▲	▲			X			
	●	▲				Y			

Explanation: ▲ = Key withdrawable ● = Key not withdrawable P, Z, X, Y = Key function

Keylock Switches

Type 01 and 06

Example of application



Lock with order code TC

Key P: Pos. 1, 2 withdrawable
Pos. 12, 3, 4 not withdrawable

Key Z: Pos. 1, 2 withdrawable
Pos. 3 not withdrawable

Key X: Pos. 1, 2 withdrawable

Key Y: Pos. 1 withdrawable
Pos. 12 not withdrawable

Lock order code = TC

Switch code = III

The following type 01 switches can be used:

1 x 12
2 x 6

The following type 06 switches can be used:

1 x 12
2 x 12
2 x 6
4 x 6

(see table summarizing)

Keylock Switches

Type 01 and 06

Switch order numbers

Table summarizing the applications of the switches with their respective locking cylinders (combination switch/keylock in accordance with this code matrix only).

Type of switch	Function pole x posto	Application according to switch code						Order numbers for switches			
		I	II	III	IV	V	VI	Shorting Ag	Au 3 µm	Non-shorting Ag	Au 3 µm
Type 01	1 x 12	█	█	█	█	█	█	01-1120	01-1123	01-1121	01-1124
Type 06	1 x 12	█	█	█	█	█	█	06-1100	06-1103	06-1101	06-1104
Type 06	2 x 12	█	█	█	█	█	█	06-2100	06-2103	06-2101	06-2104
Type 01	2 x 6	█	█	█	█	█	█	01-1260	01-1263	01-1261	01-1264
Type 06	2 x 6	█	█	█	█	█	█	06-1260	06-1263	06-1261	06-1264
Type 06	4 x 6	█	█	█	█	█	█	06-2260	06-2263	06-2261	06-2264
Type 06	3 x 4	█	█	█	█	█	█	06-1340	06-1343	06-1341	06-1344
Type 06	6 x 4	█	█	█	█	█	█	06-2340	06-2343	06-2341	06-2344
Type 01	4 x 3	█	█	█	█	█	█	01-1430	01-1433	01-1431	01-1434
Type 06	4 x 3	█	█	█	█	█	█	06-1430	06-1433	06-1431	06-1434
Type 06	8 x 3	█	█	█	█	█	█	06-2430	06-2433	06-2431	06-2434

█ = Applicable types

Multi-wafer type 06 switches or type 01 switches with solder lugs can also be used for mounting on PC boards

Required ordering data

Switch order number

Locking cylinder with order code

Identical locking

Different locking (min. 20 pieces)

Lock with master key (PP) (min. 20 pieces)

with protective cap

No. of keylock switches

No. of keys per function

 P

 Z

 X

 Y

 PP

No. of locking combinations

Reordering

When reordering locking cylinders and keys it is essential to indicate the numbers engraved.

Keylock Switches

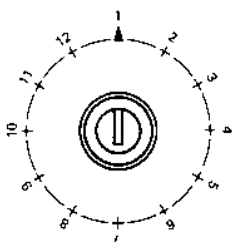
Type 01 and 06

Ordering data required for special designs

To order a keylock operated switch, please use the order form on page 138. Please specify your requirements and fax it to your local contact or to Elma. Don't hesitate to call us should any questions arise.

Required ordering data:

One key function



The diagram should include:

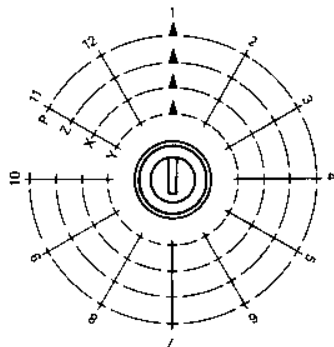
No. of switching positions

- ▲ = Positions with withdrawable key
- = Positions with key not withdrawable
- = Positions with momentary contact

←

P, Z, X, Y = Key function

Several key functions
(max. 4 withdrawable switching positions)



Please note:
Momentary contact with switch type 06 only.

Order Form for Special Options for Keylock Switches Type 01 and 06

ELMA
Your Solution Partner

Copy – Fill in – Fax

Quote request

Order

Company _____ Customer No. _____

Address _____

Phone _____

Name _____ Fax _____

e-mail _____

Quantity _____ Requested delivery date _____

Similar to order No. _____ Function = Pol x Pos. _____

Switch order number

Locking cylinder with order code

Identical locking Different locking (min. 20 pieces)

Lock with master key (PP) (min. 20 pieces) with protective cap

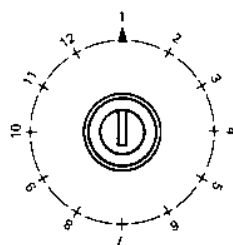
No. of keylock switches

No. of keys per function
P Z X Y PP

No. of locking combinations

Special designs (20 pieces min.)

One key function



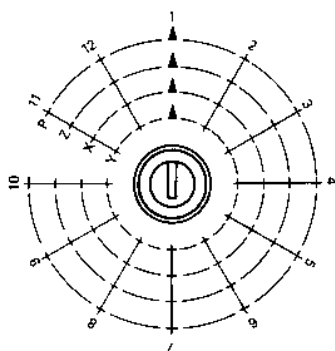
The diagram should include:

No. of switching positions

- ▲ = Positions with withdrawable key
- = Positions with key not withdrawable
- = Positions with momentary contact

P, Z, X, Y = Key function

Several key functions (max. 4 withdrawable switching positions)



Please note:
Momentary contact with switch type 06 only.