SERIES KO SWITCHES

KEYLOCK SWITCHES



SPECIFICATIONS

Contact Rating:	As per individual model number
Initial Contact Resistance:	10 mΩ Max.
Insulation Resistance:	As per individual model number
Dielectric Strength:	As per individual model number

MATERIALS

Housing and Cylinder:	Die cast zinc alloy. Finish dependent upon individual model number
Contact:	Silver plated copper alloy
Keys:	As per individual model number

FEATURES & BENEFITS

- Variety of size and product package options
- Barrel and flat key options
- Wide variety of key code options

APPLICATIONS/MARKETS

- Security applications
- Personal transportation vehicles
- Elevator controls

HOW TO ORDER

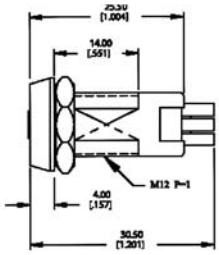
SERIES	MODEL NO.
KO	– ☐☐☐☐

Example Ordering Number
KO–103B

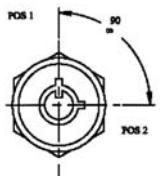
Specifications subject to change without notice.

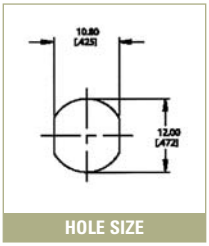
KO 103











FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- 200 combinations available

SPECIFICATIONS

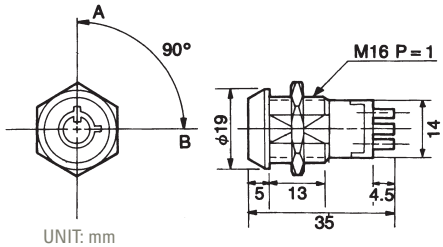
Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO103A	90 ° indexing	OFF	1-2		Pos. 1
KO103B	90 ° indexing	OFF	1-2		Pos. 1, Pos. 2
KO103C	90 ° indexing	1-2	3-4		Pos. 1
KO103D	90 ° indexing	1-2	3-4		Pos. 1, Pos. 2
KO103E	90 ° indexing	OFF	1-2		Pos. 1

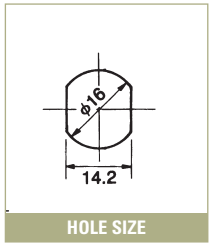
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 104





UNIT: mm



FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated, with plastic cover
- Silver plated contacts and terminals
- 10,000 combinations available

SPECIFICATIONS

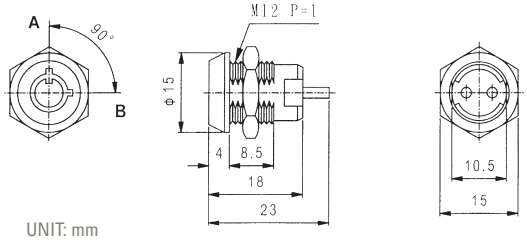
Ratings:	3A @ 125 VAC 1.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO104A	90 °indexing	1-2	3-4		Pos. 1
KO104B	90 °indexing	1-2	3-4		Pos. 1, Pos. 2

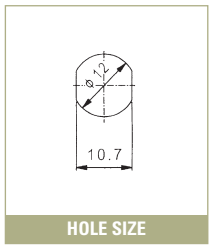
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 105





UNIT: mm



FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Steel made tubular keys, nickel plated, with plastic cover
- Silver plated contacts and terminals
- 100 combinations available

SPECIFICATIONS

Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO105A	90 °indexing	OFF	1-2		Pos. 1, Pos. 2
KO105B	90 °indexing	1-2	3-4		Pos. 1, Pos. 2

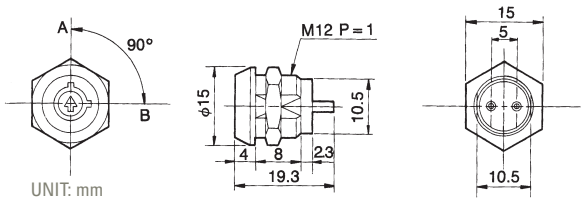
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

SERIES KO SWITCHES

KEYLOCK SWITCHES

KO 106





FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- 1 combination available

SPECIFICATIONS

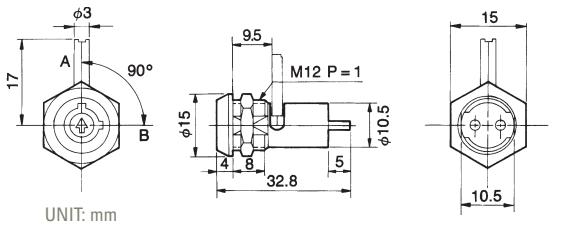
Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO106A	1 ⊙ ⊙ 2 90 °indexing	OFF	1-2		Pos. 1, Pos. 2

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 107





FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- L dimension per customer requirement, 13 mm is standard
- 6 combinations available

SPECIFICATIONS

Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

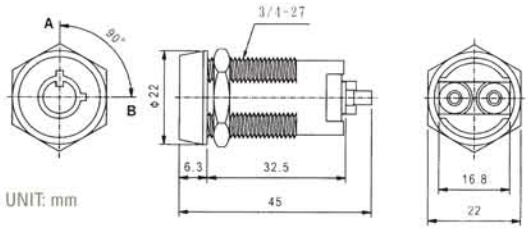
Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO107A	1 ⊙ ⊙ 2 90 °indexing	OFF	1-2		Pos. 1, Pos. 2

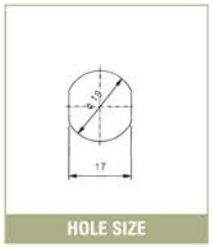
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

Phone: 800-867-2717 Fax: 763-531-8235

KO 113







FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Steel made tubular keys, nickel plated,
- Silver plated contacts and terminals
- 50,000 combinations available

SPECIFICATIONS

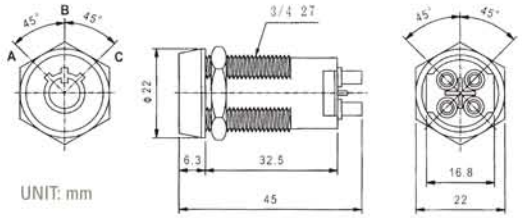
Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

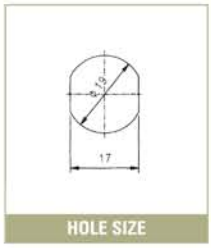
Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO113A	90°indexing	OFF	1-2		Pos. 1
KO113B	90°indexing	OFF	1-2		Pos. 1, Pos. 2
KO113C	90°indexing	OFF	1-2		Pos. 1

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 114







FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Steel made tubular keys, nickel plated
- Silver plated contacts and terminals
- 50,000 combinations available

SPECIFICATIONS

Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO114A	45°-45° indexing	1-3	OFF	2-4	Pos. 1, Pos. 2, Pos. 3
KO114B	45°-90° indexing	OFF	1-3	2-4	Pos. 1, Pos. 2, Pos. 3
KO114C	90°indexing	1-3	2-4		Pos. 1, Pos. 2
KO114D	45°indexing	OFF	1-3, 2-4		Pos. 1, Pos. 2

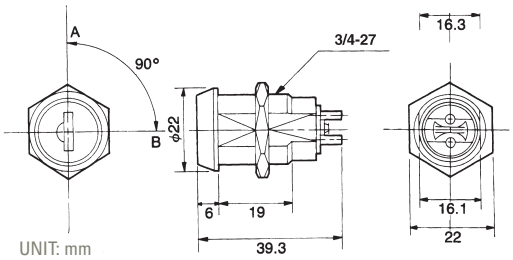
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

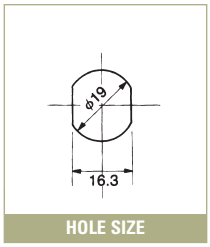
SERIES KO SWITCHES

KEYLOCK SWITCHES

KO 117







FEATURES & BENEFITS

- Zinc alloy die cast housing, chrome plated
- 5-Disk tumblers mechanism, with dust shutter
- Reversible double cut key, brass made, nickel plated
- Silver plated contacts and terminals
- 150 combinations available

SPECIFICATIONS

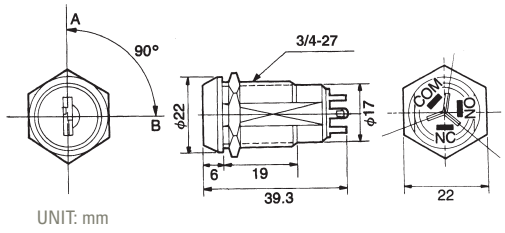
Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

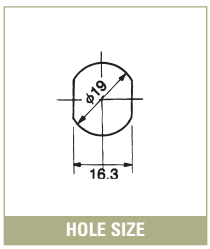
Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO117A	1 2 90 °indexing	OFF	1-2		Pos. 1, Pos. 2

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 118







FEATURES & BENEFITS

- Zinc alloy die cast housing, chrome plated
- 5-Disk tumblers mechanism, with dust shutter
- Reversible double cut key, brass made, nickel plated
- Silver plated contacts and terminals
- 150 combinations available

SPECIFICATIONS

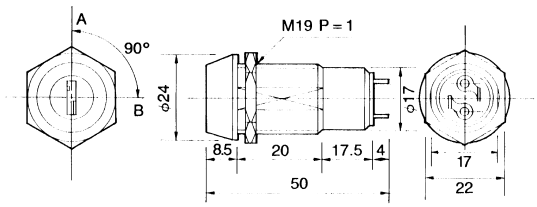
Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

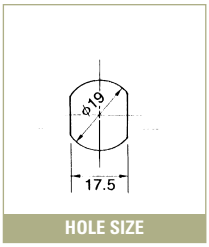
Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO118A	1 2 90 °indexing	1-2	3-4		Pos. 1, Pos. 2

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 119







FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder
- 5-Disk tumblers mechanism
- Reversible double cut key
- Silver plated contacts and terminals
- 150 combinations available

SPECIFICATIONS

Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Key Pull Possible
KO119A	90 °indexing	OFF	1-2		Pos. 1
KO119B	90 °indexing	OFF	1-2		Pos. 1, Pos. 2

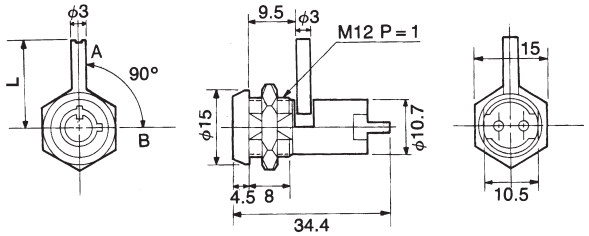
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

SERIES KO SWITCHES

KEYLOCK SWITCHES

KO 126





FEATURES & BENEFITS

- Zinc alloy die cast housing, chrome plated
- Brass cylinder, chrome plated
- Brass keys, nickel plated, with plastic cover
- Silver plated contacts and terminals
- 2 positions (Off-On)
- Dual-Functioned Key Lock Switch
- L dimension per customer requirement; 13mm is standard
- 200 combinations available

SPECIFICATIONS

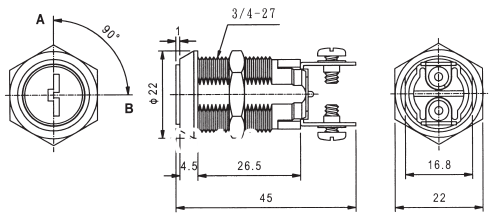
Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Key Pull Possible
KO126A	90° indexing	OFF	1-2			Pos. 1, Pos. 2

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 128





FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- 11 Blade criss cross tumblers.
- Reversible, double bitted keys

SPECIFICATIONS

Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Key Pull Possible
KO128A	90° indexing	OFF	1-2			Pos. 1
KO128B	90° indexing	OFF	1-2			Pos. 1, Pos. 2
KO128E	90° indexing	OFF	1-2			Pos. 1
KO128F	90° indexing	OFF	1-2			Pos. 1
KO128G	90° indexing	OFF	1-2			Pos. 1, Pos. 2
KO128H	90° indexing	OFF	1-2			Pos. 1

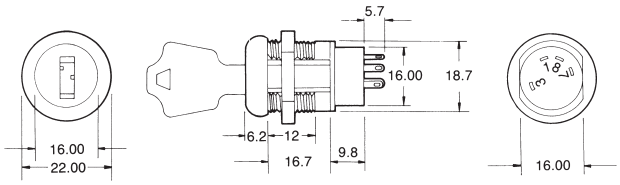
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

Options A, B, and E are screw terminals
Options F, G, and H are quick connects

E•SWITCH®
Phone: 800-867-2717
Fax: 763-531-8235

KO 129





FEATURES & BENEFITS

- Lock: bright nickel plated zinc alloy with nickel facing (black and polished chrome facing available)
- Tumbler mechanism: 4-disc tumbler cylinder
- Keys: brass with code no.
- Contacts: silver plated copper alloy
- Terminals: silver plated copper alloy
- Mounting nut: nickel plated zinc alloy

c UL us

SPECIFICATIONS

Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)		Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Key Pull Possible
KO129A (SP)		45°- 90° indexing		7-8	8-1		1-3	Pos. 3, Pos. 5
KO129B (SP)		90°- 45° indexing	1-2		7-1	6-7		Pos. 1, Pos. 3
KO129C (SP)		45°- 45° indexing		1-2	8-1	7-8		Pos. 3
KO129D (DP)		45°- 45° indexing		1-2, 5-6	8-1, 4-5	7-8, 3-4		
KO129E (SP)		45° indexing			8-1	1-2		Pos. 3
KO129F (DP)		45° indexing			8-1, 4-5	1-2, 5-6		
KO129G (SP)		45° indexing		7-8	8-1			Pos. 3
KO129H (DP)		45° indexing		7-8, 3-4	8-1, 4-5			
KO129J (SP)		45°- 45° indexing		1-2	8-1	7-8		Pos. 3
KO129K (DP)		45°- 45° indexing		1-2, 5-6	8-1, 4-5	7-8, 3-4		
KO129L (SP)		45°- 45° indexing		7-8	8-1	1-2		Pos. 3
KO129M (DP)		45°- 45° indexing		7-8, 3-4	8-1, 4-5	1-2, 5-6		

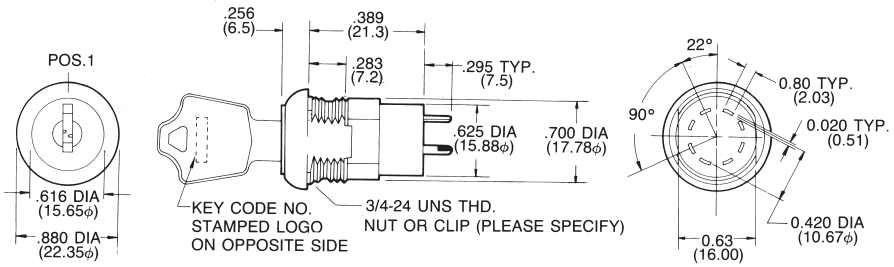
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

SERIES KO SWITCHES

KEYLOCK SWITCHES

KO 130





FEATURES & BENEFITS

- Lock: bright nickel plated zinc alloy with nickel facing (black and polished chrome facing available)
- Tumbler mechanism: 4-disc tumbler cylinder
- Keys: brass with code no.
- Contacts: silver plated copper alloy
- Terminals: silver plated copper alloy
- Contact spring: piano wire
- Mounting nut: nickel plated zinc alloy

SPECIFICATIONS

Ratings:	4A @ 125 VAC 2A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

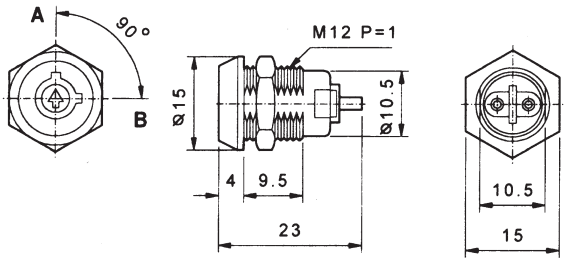
*Anti-static models exceed 20kv DC static resistance also available

Part Number	Lock Configuration (as viewed from key end)	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Key Pull Possible
		Connected Terminals					
KO130A (SP)	45°-45° indexing			8-1	1-2	2-3	Pos. 3
KO130B (DP)	45°-45° indexing			8-1, 4-5	1-2, 5-6	2-3, 6-7	
KO130C (SP)	45°-45° indexing			8-1	1-2	2-3	Pos. 5
KO130D (DP)	45°-45° indexing			8-1, 4-5	1-2, 5-6	2-3, 6-7	
KO130E (SP)	45°-45° indexing			8-1	1-2	2-3	Pos. 3, Pos. 5
KO130F (DP)	45°-45° indexing			8-1, 4-5	1-2, 5-6	2-3, 6-7	
KO130G (SP)	45°-45° indexing		8-1	1-2	7-8		Pos. 3
KO130H (DP)	45°-45° indexing		8-1, 4-5	1-2, 5-6	7-8, 3-4		
KO130I (SP)	45°-45° indexing		8-1	1-2	7-8		Pos. 2, Pos. 3, Pos. 4
KO130J (DP)	45°-45° indexing		8-1, 4-5	1-2, 5-6	7-8, 3-4		
KO130K (SP)	45°-45°-45°-45°-45° indexing	6-7	7-8	8-1	1-2	2-3	Pos. 3
KO130L (SP)	45°-45°-45°-45°-45° indexing	6-7	7-8	8-1	1-2	2-3	Pos. 1, Pos. 5
KO130M (SP)	45°-45°-45°-45°-45° indexing	6-7	7-8	8-1	1-2	2-3	Pos. 1, Pos. 3, Pos. 5
KO130N (SP)	90° indexing			8-1		1-3	Pos. 3
KO130O (DP)	90° indexing			8-1, 4-5		1-3, 5-7	
KO130P (SP)	90° indexing			8-1		1-3	Pos. 5
KO130Q (DP)	90° indexing			8-1, 4-5		1-3, 5-7	
KO130R (SP)	90° indexing			8-1		1-3	Pos. 3, Pos. 5
KO130S (DP)	90° indexing			8-1, 4-5		1-3, 5-7	
KO130T (SP)	45°-45°-90° indexing	6-7	7-8	8-1		1-3	Pos. 3
KO130U (SP)	45°-45°-90° indexing	6-7	7-8	8-1		1-3	Pos. 1, Pos. 5
KO130V (SP)	45°-45°-90° indexing	6-7	7-8	8-1		1-3	Pos. 1, Pos. 3, Pos. 5
KO130Y (SP)	90°-45°-45° indexing	6-7		7-1	1-2	2-3	Pos. 3
KO130Z (SP)	90°-45°-45° indexing	6-7		7-1	1-2	2-3	Pos. 1, Pos. 5
KO130Z1 (SP)	90°-45°-45° indexing	6-7		7-1	1-2	2-3	Pos. 1, Pos. 3, Pos. 5
KO130Z2 (SP)	90°-90° indexing	6-7		7-1		1-3	Pos. 3
KO130Z3 (SP)	90°-90° indexing	6-7		7-1		1-3	Pos. 1, Pos. 5
KO130Z4 (SP)	90°-90° indexing	6-7		7-1		1-3	Pos. 1, Pos. 3, Pos. 5

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 131





FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- 1 combination available

SPECIFICATIONS

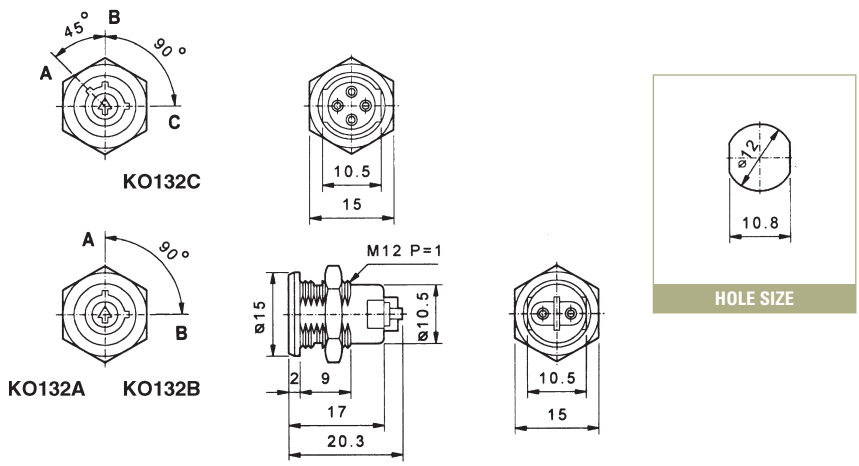
Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Key Pull Possible
KO131A	90° indexing	OFF	1-2			Pos. 1, Pos. 2

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KO 132





FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- 6 combination available

SPECIFICATIONS

Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Key Pull Possible
KO132A	90° indexing		OFF	1-2		Pos. 1, Pos. 2
KO132B	90° indexing		1-2	3-4		Pos. 1, Pos. 2
KO132C	45°-90° indexing	OFF	1-2	3-4		Pos. 1, Pos. 2, Pos. 3

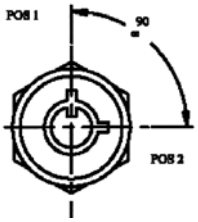
• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

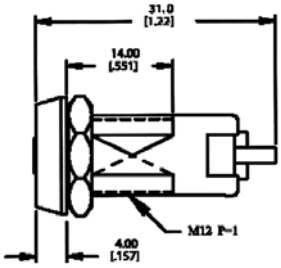
SERIES KO SWITCHES

KEYLOCK SWITCHES

KO 133

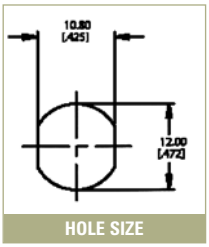








SHOWN: KO133A



HOLE SIZE

FEATURES & BENEFITS

- Zinc alloy die cast housing and cylinder, chrome plated
- Zinc alloy keys, chrome plated
- Silver plated contacts and terminals
- 4 pins tumbler mechanism
- 200 combinations available

SPECIFICATIONS

Ratings:	1A @ 125 VAC 0.5A @ 250 VAC
Contact Resistance:	20 mΩ max. initial @ 2-4 VDC, 100 mA
Insulation Resistance:	200 MΩ min.
Dielectric Strength:	1,500 V rms @ sea level

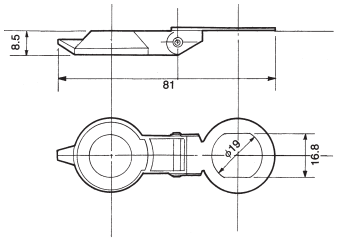
Part Number	Lock Configuration (as viewed from key end)	Connected Terminals Pos. 1	Pos. 2	Pos. 3	Pos. 4	Key Pull Possible
KO133A	90° indexing	OFF	1-2			Pos. 1
KO133B	90° indexing	OFF	1-2			Pos. 1, Pos. 2
KO133C	90° indexing	OFF	1-2			Pos. 1

• = Detent Position ⊙ = Keypull Possible ▼ = Momentary

KOM

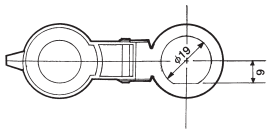
1 DIE CAST ZINC





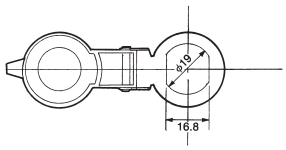
3 DIE CAST ZINC





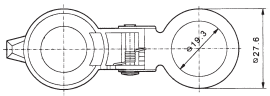
2 DIE CAST ZINC





4 DIE CAST ZINC

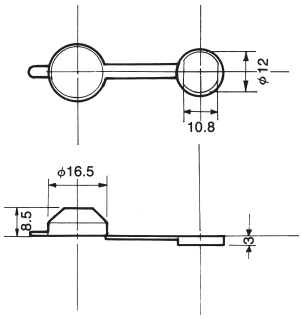




KOC

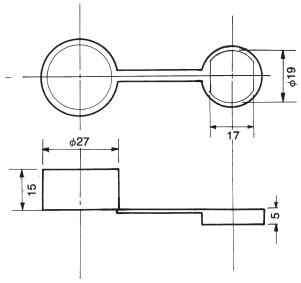
1 RUBBER





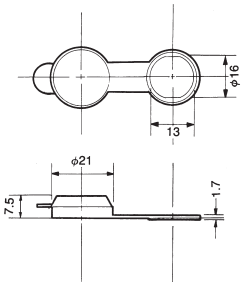
3 RUBBER





2 PLASTIC





Model No.	Used for:
KOC1	KO 103, KO 131, KO 132
KOC2	KO 104
KOC3	KO 113, KO 114, KO 119, KO 120
KOM1-4	KO 113, KO 114