

TK2

Panel cut-out (mm)	Ø 16.2 or Ø 22.5
Characteristics	■ 2 or 3 position ■ sealed IP40 or IP65 ■ plastic or aluminum bezels ■ wide range of bezels ■ NO, NC ■ gold plated, single or double pole, contact blocks ■ key trapping options
Rating	250 VAC, 5 A
Dimensions (mm)	18 × 24 18 × 18 Ø 18 Ø 25
Actuator	■ key-KABA MICRO
Approvals	UL, CSA, VDE



Popular products

Ordering Reference	Panel cut-out (mm)	Function	Actuator style (mm)	Environmental protection	Terminals (mm)	Electrical rating
TK21B2A001C1C1A	Ø 16.2	2 Position Kaba Micro key	18 × 24	IP40	2.8 × 0.5 faston	250 VAC, 5A
TK22B2E001C1C1E	Ø 22.5	2 Position Kaba Micro key	Ø 25	IP65	2.8 × 0.5 faston	250 VAC, 5A

Specifications

Mechanism	Key actuated
Mounting	Central fixing with metal lock nut
Protection	IP40 or IP65
Bezel material	Thermoplastic or anodized aluminum alloy
Temperature range °C	-25°C to +85°C
Mechanical life	10 ⁶ cycles
Contact block	Slide-on assembly by the user
Contact block housing	Self-extinguishing duroplastic (UL 94 V0)
Terminal material	Silver alloy with 0.2 µm silver plating plus, 0.4 µm gold plating
Contact resistance	<30 mOhm
Number of contact blocks	User configurable NO or NC types up to a maximum of 2 double contact blocks
Terminals	Patented flexible solder – suitable for wire diameter 1 × 1.00 mm ² (braided), 2 × 0.75 mm (stranded) Faston - 2.8mm × 0.5mm
Vibration resistance	1.5 mm pp amplitude at 55 Hz

Cylinder locks

KABA MICRO

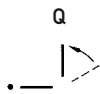
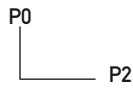
Compact format
 Key code EB 0001 (standard)
 Key codes EB 0002 - EB 0020 (upon request)
 Over 10'000 different key code variations
 Key lock systems with master keys and central locks
 2 keys per key switch (additional keys on order)

Destruction of the key or lock must be expected if the level 50 Ncm is exceeded.

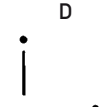
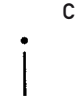
Recommended maximum electrical ratings

Voltage (max)	Resistive load (A)	Inductive load (A)	Approval
250 VAC	5.0 (0.7 pf)		UL, CSA, VDE - max. admissible circuit breaker C6A
12 VDC	5.0	3.0	General rating
24 VDC	4.0	2.0	General rating
36 VDC	3.0	1.7	General rating
48 VDC	2.0	1.5	General rating
60 VDC	1.5	1.2	General rating
125 VDC	0.5	0.3	General rating
250 VDC	0.3	0.2	General rating
Electrical life	50,000 cycles at 5A, 250 VAC, 0.7 pf		

Key positions/
function

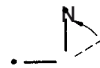
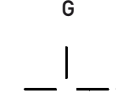
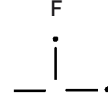


2 Positions

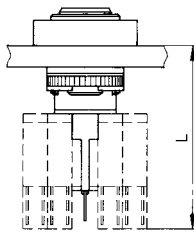


• Key trapping position

3 Positions

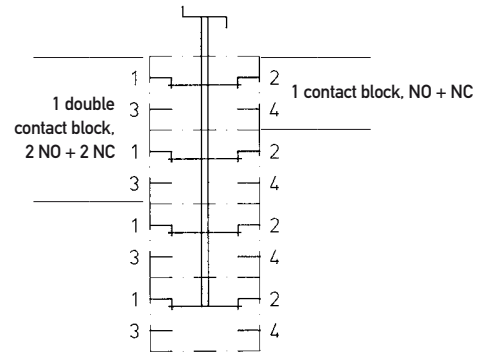


Dimensions

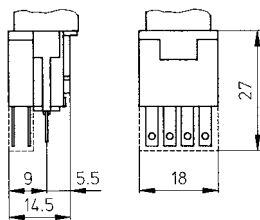


Length in mm (with contact block)
plastic bezels 43
aluminum bezels 42

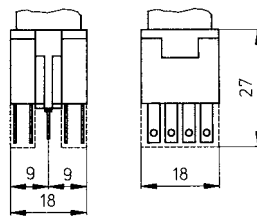
Circuit diagram (2 double contact blocks)



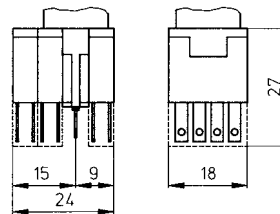
Contact blocks 1 contact block



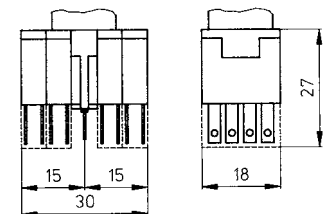
2 contact blocks



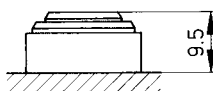
1 contact block +
1 double contact block



2 double contact blocks



Cylinder height plastic bezel IP40



Panel cut-out 22.5 ± 0.1 mm

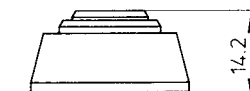
Front panel thickness

plastic bezel IP65
Panel cut-out
 $16.2 \text{ mm} \pm 0.1 \text{ mm}$



plastic bezel IP40
plastic bezel IP65
aluminum bezel

aluminum bezel 2 position key
Panel cut-out
 $22.5 \text{ mm} \pm 0.1 \text{ mm}$



2.0 to 5.0 mm
2.0 to 6.5 mm
1.0 to 5.0 mm

Ordering Reference

Basic type	TK2										Example: TK2		1	A2A	001	A1	A1	A	
Panel cut-out	1	Ø 16.2 mm for plastic bezel key switches																	
	2	Ø 22.5 mm for Aluminum bezel key switches																	
Key position / function 16.2 mm cut-out	A2A	2 Positions; IP40; Kaba Micro; Key removable P0										Momentary P2	TH548032XXX						
	B2A	2 Positions; IP40; Kaba Micro; Key removable P2										Latching P2	TH548034XXX						
	C2A	2 Positions; IP40; Kaba Micro; Key removable P0										Latching P2	TH548036XXX						
	D2A	2 Positions; IP40; Kaba Micro; Key removable P0 + P2										Latching P2	TH548038XXX						
	A2C	2 Positions; IP65; Kaba Micro; Key removable P0										Momentary P2	TH548132XXX						
	B2C	2 Positions; IP65; Kaba Micro; Key removable P2										Latching P2	TH548134XXX						
	C2C	2 Positions; IP65; Kaba Micro; Key removable P0										Latching P2	TH548136XXX						
	D2C	2 Positions; IP65; Kaba Micro; Key removable P0 + P2										Latching P2	TH548138XXX						
22.5 mm cut-out	A2E	2 Positions; Ø 25 mm Aluminum bezel IP65; Kaba Micro; Key removable P0										Momentary P2	TH544040XXX						
	B2E	2 Positions; Ø 25 mm Aluminum bezel IP65; Kaba Micro; Key removable P2										Latching P2	TH544041XXX						
	C2E	2 Positions; Ø 25 mm Aluminum bezel IP65; Kaba Micro; Key removable P0										Latching P2	TH544042XXX						
	D2E	2 Positions; Ø 25 mm Aluminum bezel IP65; Kaba Micro; Key removable P0 + P2										Latching P2	TH544043XXX						
Key code number (XXX)	001	Kaba Micro Code EB0001	THXXXXXX	001	012	Kaba Micro Code EB0012	THXXXXXX	012											
	002	Kaba Micro Code EB0002	THXXXXXX	002	013	Kaba Micro Code EB0013	THXXXXXX	013											
	003	Kaba Micro Code EB0003	THXXXXXX	003	014	Kaba Micro Code EB0014	THXXXXXX	014											
	004	Kaba Micro Code EB0004	THXXXXXX	004	015	Kaba Micro Code EB0015	THXXXXXX	015											
	005	Kaba Micro Code EB0005	THXXXXXX	005	016	Kaba Micro Code EB0016	THXXXXXX	016											
	006	Kaba Micro Code EB0006	THXXXXXX	006	017	Kaba Micro Code EB0017	THXXXXXX	017											
	007	Kaba Micro Code EB0007	THXXXXXX	007	018	Kaba Micro Code EB0018	THXXXXXX	018											
	008	Kaba Micro Code EB0008	THXXXXXX	008	019	Kaba Micro Code EB0019	THXXXXXX	019											
	009	Kaba Micro Code EB0009	THXXXXXX	009	020	Kaba Micro Code EB0020	THXXXXXX	020											
	010	Kaba Micro Code EB0010	THXXXXXX	010	999	Mixed differs	THXXXXXX	999											
	011	Kaba Micro Code EB0011	THXXXXXX	011															
Contact block, gold Position 1	XX	No contact block	Terminals				Part No.												
	A1	NO	2.8 × 0.5 mm				TH593566020												
	A9	NO	Insulated faston				TH593560020												
	A8	NO	Solder				TH593561020												
	B1	NC	2.8 × 0.5 mm				TH593566050												
	B9	NC	Insulated faston				TH593560050												
	B8	NC	Solder				TH593561050												
	C1	1 NO + 1 NC	2.8 × 0.5 mm				TH593566000												
	C9	1 NO + 1 NC	Insulated faston				TH593560000												
	C8	1 NO + 1 NC	Solder				TH593561000												
	D1	2 NO + 2 NC	2.8 × 0.5 mm				TH593567000												
	D9	2 NO + 2 NC	Insulated faston				TH593563000												
	D8	2 NO + 2 NC	Solder				TH593564000												
Contact block, gold Position 2	XX	No contact block	Terminals				Part No.												
	A1	NO	2.8 × 0.5 mm				TH593566020												
	A9	NO	Insulated faston				TH593560020												
	A8	NO	Solder				TH593561020												
	B1	NC	2.8 × 0.5 mm				TH593566050												
	B9	NC	Insulated faston				TH593560050												
	B8	NC	Solder				TH593561050												
	C1	1 NO + 1 NC	2.8 × 0.5 mm				TH593566000												
	C9	1 NO + 1 NC	Insulated faston				TH593560000												
	C8	1 NO + 1 NC	Solder				TH593561000												
	D1	2 NO + 2 NC	2.8 × 0.5 mm				TH593567000												
	D9	2 NO + 2 NC	Insulated faston				TH593563000												
	D8	2 NO + 2 NC	Solder				TH593564000												
Bezel	A	18 mm × 24 mm plastic					IP40	TH493060000											
	B	18 mm × 18 mm plastic						TH593062000											
	D	Ø 18 mm plastic						TH493064000											
	E	Ø 25 mm aluminum (Factory fitted)						TH593064000											
							IP65	TH593060000											

The keyswitch cannot be installed without a bezel. The IP40 bezels are interchangeable before installation. Contact blocks will be supplied unassembled.

Ordering Reference

Basic type	TK2				Example: TK2		1	E3A	001	A1	A1	A	
Panel cut-out	1	Ø 16.2 mm											
Key position / function	E3A	3 Position: IP40; Kaba Micro; Key removable PO + P1 + P2			Latching P1 + P2	TH548050XXX							
	F3A	3 Position: IP40; Kaba Micro; Key removable PO + P2			Latching P1 + P2	TH548051XXX							
	G3A	3 Position: IP40; Kaba Micro; Key removable P2			Latching P1 + P2	TH548052XXX							
	H3A	3 Position: IP40; Kaba Micro; Key removable PO			Latching P1 + P2	TH548053XXX							
	I3A	3 Position: IP40; Kaba Micro; Key removable PO			Momentary P1 + P2	TH548054XXX							
	J3A	3 Position: IP40; Kaba Micro; Key removable PO + P2			Momentary P1 + Latching P2	TH548055XXX							
	K3A	3 Position: IP40; Kaba Micro; Key removable P2			Momentary P1 + Latching P2	TH548056XXX							
	L3A	3 Position: IP40; Kaba Micro; Key removable PO			Momentary P1 + Latching P2	TH548057XXX							
	M3A	3 Position: IP40; Kaba Micro; Key removable PO			Latching P1 + Momentary P2	TH548058XXX							
	N3A	3 Position: IP40; Kaba Micro; Key removable PO + P1			Latching P1 + Momentary P2	TH548059XXX							
	O3A	3 Position: IP40; Kaba Micro; Key removable P1 + P2			Latching P1 + P2	TH548060XXX							
	P3A	3 Position: IP40; Kaba Micro; Key removable PO + P1			Latching P1 + P2	TH548061XXX							
	Q3A	3 Position: IP40; Kaba Micro; Key removable P1			Latching P1 + Momentary P2	TH548062XXX							
	R3A	3 Position: IP40; Kaba Micro; Key removable P1			Latching P1 + P2	TH548063XXX							
	E3B	3 Position: IP65; Kaba Micro; Key removable PO + P1 + P2			Latching P1 + P2	TH548150XXX							
	F3B	3 Position: IP65; Kaba Micro; Key removable PO + P2			Latching P1 + P2	TH548151XXX							
	G3B	3 Position: IP65; Kaba Micro; Key removable P2			Latching P1 + P2	TH548152XXX							
	H3B	3 Position: IP65; Kaba Micro; Key removable PO			Latching P1 + P2	TH548153XXX							
	I3B	3 Position: IP65; Kaba Micro; Key removable PO			Momentary P1 + P2	TH548154XXX							
	J3B	3 Position: IP65; Kaba Micro; Key removable PO + P2			Momentary P1 + Latching P2	TH548155XXX							
	K3B	3 Position: IP65; Kaba Micro; Key removable P2			Momentary P1 + Latching P2	TH548156XXX							
	L3B	3 Position: IP65; Kaba Micro; Key removable PO			Momentary P1 + Latching P2	TH548157XXX							
	M3B	3 Position: IP65; Kaba Micro; Key removable PO			Latching P1 + Momentary P2	TH548158XXX							
	N3B	3 Position: IP65; Kaba Micro; Key removable PO + P1			Latching P1 + Momentary P2	TH548159XXX							
	O3B	3 Position: IP65; Kaba Micro; Key removable P1 + P2			Latching P1 + P2	TH548160XXX							
	P3B	3 Position: IP65; Kaba Micro; Key removable PO + P1			Latching P1 + P2	TH548161XXX							
	Q3B	3 Position: IP65; Kaba Micro; Key removable P1			Latching P1 + Momentary P2	TH548162XXX							
	R3B	3 Position: IP65; Kaba Micro; Key removable P1			Latching P1 + P2	TH548163XXX							
	Key code number	001	Kaba Micro Code EB0001	THXXXXXX	001	012	Kaba Micro Code EB0012	THXXXXXX	012				
		002	Kaba Micro Code EB0002	THXXXXXX	002	013	Kaba Micro Code EB0013	THXXXXXX	013				
		003	Kaba Micro Code EB0003	THXXXXXX	003	014	Kaba Micro Code EB0014	THXXXXXX	014				
		004	Kaba Micro Code EB0004	THXXXXXX	004	015	Kaba Micro Code EB0015	THXXXXXX	015				
		005	Kaba Micro Code EB0005	THXXXXXX	005	016	Kaba Micro Code EB0016	THXXXXXX	016				
		006	Kaba Micro Code EB0006	THXXXXXX	006	017	Kaba Micro Code EB0017	THXXXXXX	017				
		007	Kaba Micro Code EB0007	THXXXXXX	007	018	Kaba Micro Code EB0018	THXXXXXX	018				
		008	Kaba Micro Code EB0008	THXXXXXX	008	019	Kaba Micro Code EB0019	THXXXXXX	019				
009		Kaba Micro Code EB0009	THXXXXXX	009	020	Kaba Micro Code EB0020	THXXXXXX	020					
010		Kaba Micro Code EB0010	THXXXXXX	010	999	Mixed differs	THXXXXXX	999					
011		Kaba Micro Code EB0011	THXXXXXX	011									
Contact block, gold Position 1	XX	No contact block	Terminals	Part No.									
	A1	NO	2.8 × 0.5 mm	TH593566020									
	A9	NO	Insulated faston	TH593560020									
	A8	NO	Solder	TH593561020									
	B1	NC	2.8 × 0.5 mm	TH593566050									
	B9	NC	Insulated faston	TH593560050									
	B8	NC	Solder	TH593561050									
	C1	1 NO + 1 NC	2.8 × 0.5 mm	TH593566000									
	C9	1 NO + 1 NC	Insulated faston	TH593560000									
	C8	1 NO + 1 NC	Solder	TH593561000									
	D1	2 NO + 2 NC	2.8 × 0.5 mm	TH593567000									
	D9	2 NO + 2 NC	Insulated faston	TH593563000									
	D8	2 NO + 2 NC	Solder	TH593564000									
Contact block, gold Position 2	XX	No contact block	Terminals	Part No.									
	A1	NO	2.8 × 0.5 mm	TH593566020									
	A9	NO	Insulated faston	TH593560020									
	A8	NO	Solder	TH593561020									
	B1	NC	2.8 × 0.5 mm	TH593566050									
	B9	NC	Insulated faston	TH593560050									
	B8	NC	Solder	TH593561050									
	C1	1 NO + 1 NC	2.8 × 0.5 mm	TH593566000									
	C9	1 NO + 1 NC	Insulated faston	TH593560000									
	C8	1 NO + 1 NC	Solder	TH593561000									
	D1	2 NO + 2 NC	2.8 × 0.5 mm	TH593567000									
	D9	2 NO + 2 NC	Insulated faston	TH593563000									
	D8	2 NO + 2 NC	Solder	TH593564000									
Bezel	A	18 mm × 24 mm plastic	IP40	IP65									
	B	18 mm × 18 mm plastic	TH493060000	TH593060000									
	D	Ø 18 mm plastic	TH493062000	TH593062000									
			TH493064000	TH593064000									

The keyswitch cannot be installed without a bezel. The IP40 bezels are interchangeable before installation. Contact blocks will be supplied unassembled.

Ordering Reference

Basic type	TK2				Example: TK2	2	E3C	001	A1	A1	E	
Panel cut-out	2	Ø 22.5 mm										
Key position / function	E3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0 + P1 + P2				Latching P1 + P2		TH544050XXX				
	F3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0 + P2				Latching P1 + P2		TH544051XXX				
	G3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P2				Latching P1 + P2		TH544052XXX				
	H3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0				Latching P1 + P2		TH544053XXX				
	I3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0				Momentary P1 + P2		TH544054XXX				
	J3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0 + P2				Momentary P1 + Latching P2		TH544055XXX				
	K3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P2				Momentary P1 + Latching P2		TH544056XXX				
	L3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0				Momentary P1 + Latching P2		TH544057XXX				
	M3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0				Latching P1 + Momentary P2		TH544058XXX				
	N3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0 + P1				Latching P1 + Momentary P2		TH544059XXX				
	O3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P1 + P2				Latching P1 + P2		TH544060XXX				
	P3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P0 + P1				Latching P1 + P2		TH544061XXX				
	Q3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P1				Latching P1 + Momentary P2		TH544062XXX				
	R3C	3 Position; Ø 25 mm Alum. bezel IP65; Kaba Micro; Key removable P1				Latching P1 + P2		TH544063XXX				
Key code number (XXX)	001	Kaba Micro Code EB0001				THXXXXXX				001		
	002	Kaba Micro Code EB0002				THXXXXXX				002		
	003	Kaba Micro Code EB0003				THXXXXXX				003		
	004	Kaba Micro Code EB0004				THXXXXXX				004		
	005	Kaba Micro Code EB0005				THXXXXXX				005		
	006	Kaba Micro Code EB0006				THXXXXXX				006		
	007	Kaba Micro Code EB0007				THXXXXXX				007		
	008	Kaba Micro Code EB0008				THXXXXXX				008		
	009	Kaba Micro Code EB0009				THXXXXXX				009		
	010	Kaba Micro Code EB0010				THXXXXXX				010		
	011	Kaba Micro Code EB0011				THXXXXXX				011		
	012	Kaba Micro Code EB0012				THXXXXXX				012		
	013	Kaba Micro Code EB0013				THXXXXXX				013		
	014	Kaba Micro Code EB0014				THXXXXXX				014		
	015	Kaba Micro Code EB0015				THXXXXXX				015		
	016	Kaba Micro Code EB0016				THXXXXXX				016		
	017	Kaba Micro Code EB0017				THXXXXXX				017		
	018	Kaba Micro Code EB0018				THXXXXXX				018		
	019	Kaba Micro Code EB0019				THXXXXXX				019		
	020	Kaba Micro Code EB0020				THXXXXXX				020		
999	Mixed differs				THXXXXXX				999			
Contact block, gold Position 1	XX	No contact block		Terminals		Part No.						
	A1	NO			2.8 × 0.5 mm		TH593566020					
	A9	NO			Insulated faston		TH593560020					
	A8	NO			Solder		TH593561020					
	B1	NC			2.8 × 0.5 mm		TH593566050					
	B9	NC			Insulated faston		TH593560050					
	B8	NC			Solder		TH593561050					
	C1	1 NO + 1 NC			2.8 × 0.5 mm		TH593566000					
	C9	1 NO + 1 NC			Insulated faston		TH593560000					
	C8	1 NO + 1 NC			Solder		TH593561000					
	D1	2 NO + 2 NC			2.8 × 0.5 mm		TH593567000					
	D9	2 NO + 2 NC			Insulated faston		TH593563000					
	D8	2 NO + 2 NC			Solder		TH593564000					
	Contact block, gold Position 2	XX	No contact block		Terminals		Part No.					
A1		NO			2.8 × 0.5 mm		TH593566020					
A9		NO			Insulated faston		TH593560020					
A8		NO			Solder		TH593561020					
B1		NC			2.8 × 0.5 mm		TH593566050					
B9		NC			Insulated faston		TH593560050					
B8		NC			Solder		TH593561050					
C1		1 NO + 1 NC			2.8 × 0.5 mm		TH593566000					
C9		1 NO + 1 NC			Insulated faston		TH593560000					
C8		1 NO + 1 NC			Solder		TH593561000					
D1		2 NO + 2 NC			2.8 × 0.5 mm		TH593567000					
D9		2 NO + 2 NC			Insulated faston		TH593563000					
D8		2 NO + 2 NC			Solder		TH593564000					
Bezel		E	Ø 25 mm (Factory fitted)									

The keyswitch cannot be installed without a bezel. Contact blocks will be supplied unassembled.