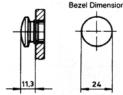


Mushroom / Momentary / Maintained

Round concealed bezel style



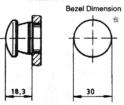


	Bezel Dimension
11,3	24

	Contact Block	Bezel
1	INO+1 NC	Black
Momentary	base	404004
Switch	1	404104
	2	404204
	3	404304
	4	404404
Maintained	base	414004
Switch	1	414104
	2	414204
	3	414304
	4	414404

Sealed round aluminum bezel style





	Contact	Bezel
	1NO+1 NC	Aluminum
Momentary	base	404019
Switch	1	404119
	2	404219
	3	404319
	4	404419
Maintained	base	414019
Switch	1	414119
	2	414219
	3	414319
	4	414419

Rectangular tapered bezel style



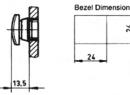


	20
24	

	Contact Block	Bezel
	1NO+1 NC	Black
Momentary	base	400004
Switch	1	400104
	2	400204
	3	400304
	4	400404
Maintained	base	410004
Switch	1	410104
	2	410204
	3	410304
	4	410404

Square tapered bezel style





V	Contact Block	Bezel
	1NO+1 NC	Black
Momentary	base	402004
Switch	1.	402104
	2	402204
	3	402304
	4	402404
Maintained	base	412004
Switch	1	412104
	2	412204
	3	412304
	4	412404

CAP & ACTUATOR ORDERED AS ONE UNIT, SPECIFY CAP COLOR

64006
64106
64206
64306
64406
64506

Mu	shroom caps Ø30	
white	464007	
yellow	464107	
green	464207	
blue	464307	
red	464407	
black	464507	

	Mus	hroom caps 18	(24	
_	white	460004	14000	
	yellow	460104		
	green	460204		
	blue	460304		
	red	460404		
	black	460504		

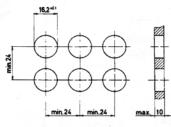
Mus	hroom caps 24 x 24
white	462005
yellow	462105
green	462205
blue	462305
red	462405
black	462505

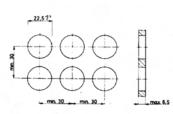
PANEL CUT-OUTS Ø24

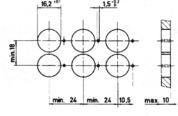
PANEL CUT-OUTS Ø30 SEALED

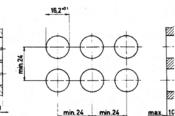
PANEL CUT-OUTS 18 X 24

PANEL CUT-OUTS 24 X 24









COMMON INFORMATION

Maintained mushroom switches are un-latched by pulling the mushroom caps. (Larger spacing between switches is required).

For a PUSH PUSH version use maintained switch part number and add suffix 900.

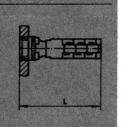
The bezel Ø30 is made of anodized aluminum alloy and is also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500.

WIRING DIAGRAM



250V AC/5A (cos w 0.7)

Dimensional Data for behind panel Ø24 18x24 44.5 1.752 43.5 1.713 81.5





Rectangular flat lens exposed bezel style

Rectangular concave lens exposed bezel style





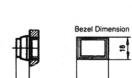
Rectangular tapered bezel style

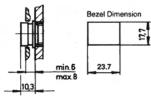


Rectangular concealed bezel style

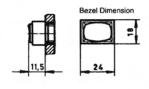








	Bezel Dime	nsion
Π		=
10.3	24	
- Id3	-24	



	Contact	Bezel	_
	Block		
1	NO+1 NC	Black	
Momentary	Base	500000	
Switch	1	500100	
	2	500200	
	3	500300	
	4	500400	
Maintained	Base	510000	
Switch	1	510100	
	2	510200	
	3	510300	
	4	510400	
Indicator La	mp	550000	

	Contact Block	Bezel
	1NO+1 NC	Black
Momentary	Base	500002
Switch	1	500102
	2	500202
	3	500302
	4	500402
Maintained	Base	510002
Switch	1	510102
	2	510202
	3	510302
	4	510402
Indicator L	amp	550037

	Contact Block	Bezel
	1NO+1 NC	Black
Momentary Switch	Base 1 2 3	500008 500108 500208 500308
Maintained	4 Base	500408 510008
Switch	1 2 3 4	510108 510208 510308 510408
Indicator La	mp	550008

	Contact Block	Bezel
	1NO+1 NC	Black
Momentary	Base	500008
Switch	1	500108
	2	500208
	3	500308
	4	500408
Maintained	Base	510008
Switch	1	510108
	2	510208
	3	510308
	4	510408
Indicator La	amp	550008

	Lens 14 x 20	
	Opaque	Transparent
white	460012	461012
yellow	460112	461112
green	460212	461212
blue	460312	461312
red	460412	461412
black	460512	
orange	460612	461612

1.50	Lens 18 x 24	
	Opaque	Transparen
white	460017	461017
yellow	460117	461117
green	460217	461217
blue	460317	461317
red	460417	461417
black	460517	
orange	460617	461617

Opaque Transpar			
white	460021	461021	
yellow	460121	461121	
green	460221	461221	
blue	460321	461321	
red	460421	461421	
black	460521		
orange	460621	461621	

Lens concave 15 x 21				
Opaque Transpare				
460022	461022			
460122	461122			
460222	461222			
460322	461322			
460422	461422			
460522				
460622	461622			
	Opaque 460022 460122 460222 460322 460422 460522			

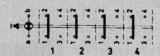
COMMON INFORMATION

For a brighter light, all transparent lens can be specified with a clear lower lens diffuser. Use 010 suffix (i.e. 461012 010).

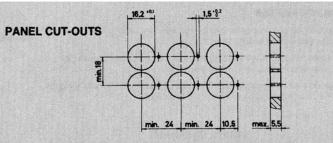
The concealed bezel style is especially suitable for mimic diagrams and for mounting with lens immediately next to each other.

All maintained switches incorporate a bifunctional mechanism for changing the function from maintained to momentary and back again.

WIRING DIAGRAM



250V AC/5A (cos w 0.7) Lamp holder T 13 MG



Length = L	mm	Inches	
Pole 1	27.5	1.083	
Pole 2	36	1.417	P
Pole 3	44.5	1.752	
Pole 4	53	2.087	The second
Indicator lamp	23.5	.925	- Breeze



Square tapered bezel style



Square flat lens exposed bezel style

Square concave lens exposed bezel style



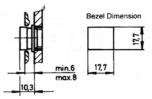






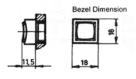












	Contact Block	Bezel	
	1NO+1 NC	Black	
Momentary	Base	502000	
Switch	1	502100	
	2	502200	
	3	502300	
	4	502400	
Maintained	Base	512000	
Switch	1	512100	
	2	512200	
	3	512300	
	4	512400	
Indicator L	amp	552000	

	Contact	Bezel	
	Block		
1	INO+1 NC	Black	
Momentary	Base	502002	
Switch	1	502102	
	2	502202	
	3	502302	
	4	502402	
Maintained	Base	512002	
Switch	1	512102	
	2	512202	
	3	512302	
	4	512402	
Indicator La	mp	552037	

	Contact	Bezel
	1NO+1 NC	Black
Momentary	Base	502008
Switch	1	502108
	2	502208
	3	502308
	4	502408
Maintained	Base	512008
Switch	1	512108
	2	512208
	3	512308
	4	512408
Indicator La	mp	552008

	Contact	Bezel
	block	
1	NO+1 NC	black
Momentary	Base	502008
Switch	- 1	502108
	2	502208
	3	502308
	4	502408
Maintained	Base	512008
Switch	1	512108
	2	512208
	3	512308
	4	512408
Indicator La	mp	552008

	Opaque	Transparen
white	462013	463013
yellow	462113	463113
green	462213	463213
blue	462313	463313
red	462413	463413
black	462513	
orange	462613	463613

	Lens 18 x 18	
7 70	Opaque	Transparent
white	462018	463018
yellow	462118	463118
green	462218	463218
blue	462318	463318
red	462418	463418
black	462518	
orange	462618	463618

	Opaque	Transparen
white	462021	463021
yellow	462121	463121
green	462221	463221
blue	462321	463321
red	462421	463421
black	462521	
orange	462621	463621

Lens concave 15 x 15		
	Opaque	Transparent
white	462022	463022
yellow	462122	463122
green	462222	463222
blue	462322	463322
red	462422	463422
black	462522	
orange	462622	463622

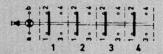
COMMON INFORMATION

For a brighter light, all transparent lens can be specified with a clear lower lens diffuser. Use 010 suffix (i.e. 461012 010).

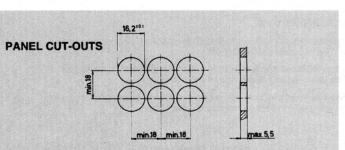
The concealed bezel style is especially suitable for mimic diagrams and for mounting with lens immediately next to each other.

All maintained switches incorporate a bifunctional mechanism for changing the function from maintained to momentary and back again.

WIRING DIAGRAM



250V AC/5A (cos w 0.7) Lamp holder T 1³/₄ MG



Length = L	mm	Inches	
Pole 1	27.5	1.083	A
Pole 2	36	1.417	HILLER
Pole 3	44.5	1.752	
Pole 4	53	2.087	LINE EPE
Indicator lamp	23.5	.925	P
			L





Round aluminum bezel style

IP40



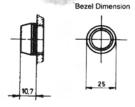
Bezel Dimension

	Contact Block 1NO+1 NC	Bezel Standard
Momentary	Base	504018
Switch	1	504118
	2	504218
	3	504318
	4	504418
Maintained	Base	514018
Switch	1	514118
	2	514218
	3	514318
	4	514418
Indicator La	mp	554018

Round sealed aluminum bezel style

Special lens increases rating to IP65





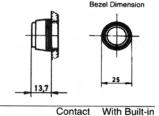
	Contact Block	Bezel Standard
	INO+1 NC	Standard
Momentary	Base	504018
Switch	1	504118
	2	504218
	3	504318
	4	504418
Maintained	Base	514018
Switch	1	514118
	2	514218
	3	514318
	4	514418
Indicator La	mn	554018

Momentary / Maintained / Signal Lamps

Round sealed aluminum bezel style

With built-in silicone cap. IP65



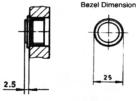


	Block 1NO+1 NC	Silicone Cap
Momentary	Base	504033
Switch	1	504133
	2	504233
	3	504333
	4	504433
Maintained	Base	514033
Switch	1	514133
	2	514233
	3	514333
	4	514433
Indicator La	mp	554033

Round flush metal bezel style

IP40





	Contact	Part
	Block	Number
	1NO+1 NC	
Momentary	Base	504050
Switch	1	504150
	2	504250
	3	504350
	4	504450
Maintained	Base	514050
Switch	1	514150
	2	514250
	3	514350
	4	514450
Indicator La	mp	554050

Lens Ø18mm IP40		
	Opaque	Transparent
white	464015	465015
yellow	464115	465115
green	464215	465215
blue	464315	465315
red	464415	465415
black	464515	
orange	464615	465615

Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500.

	Lens 018mm IP65	
	Opaque	Transparent
white	464001	465001
yellow	464101	465101
green	464201	465201
blue	464301	465301
red	464401	465401
black	464501	
orange	464601	465601

Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500. It is splash proof and oil

tight in accordance with IP65.

	Opaque	Transparent
white	464001	465001
yellow	464101	465101
green	464201	465201
blue	464301	465301
red	464401	465401
black	464501	
orange	464601	465601

Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500. It is splash proof and oil tight in accordance with IP65.

The IP65 standard (splash proof oil tight) is achieved with a sealing ring which comes supplied with corresponding lens.

Lens Ø18mm			
	Opaque	Transparent	
white	464015	465015	
ellow	464115	465115	
reen	464215	465215	
olue	464315	465315	
ed	464415	465415	
olack	464515		
orange	464615	465615	

Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500.

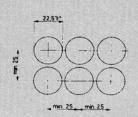
COMMON INFORMATION

For a brighter light, all transparent lens can be specified with a clear lower lens diffuser. Use 010 suffix (i.e. 461012 010).

WIRING DIAGRAM

250V AC/5A (cos w 0.7) Lamp holder T 13 MG

PANEL CUT-OUTS



Length = L	(mm	Inches	
Pole 1	26.5	1.043	
Pole 2	35	1.373	
Pole 3	43.5	1.713	max 5
Pole 4	52	2.047	- -
Indicator lamp	22.5	.886	

Length = L	(mm	Inches	max 15 ///
Pole 1	35	1.378	min 2
Pole 2	43.5	1.713	
Pole 3	52	2.047	the feet bear from box
Pole 4	60.5	2.382	
Indicator lamp	32	1.260	



Round concealed bezel style

OF.

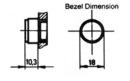
Bezel Dimension

	Contact	Bezel
	1NO+1 NC	Black
Momentary	Base	504002
Switch	1	504102
	2	504202
	3	504302
	4	504402
Maintained	Base	514002
Switch	1	514102
	2	514202
	3	514302
	4	514402
Indicator La	amp	554037

	Lens flat Ø18		
	Opaque	Transparent	
white	464015	465015	
yellow	464115	465115	
green	464215	465215	
blue	464315	465315	
red	464415	465415	
black	464515		
orange	464615	465615	

Round flat lens exposed bezel style



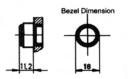


	Contact Block	Bezel
	1NO+1 NC	Black
Momentary	Base	504008
Switch	1	504108
	2	504208
	3	504308
	4	504408
Maintained	Base	514008
Switch	1	514108
	2	514208
	3	514308
	4	514408
Indicator La	amp	554008

Lens flat Ø15mm		
3300	Opaque	Transparent
white	464021	465021
vellow	464121	465121
green	464221	465221
blue	464321	465321
red	464421	465421
black	464521	
orange	464621	465621

Round concave lens exposed bezel style





	Contact Block	Bezel	
	1NO+1 NC	Black	
Momentary	Base	504008	
Switch	1	504108	
	2	504208	
	3	504308	
	4	504408	
Maintained	Base	514008	
Switch	1	514108	
	2	514208	
	3	514308	
	4	514408	
Indicator La	mp	554008	

Lens concave Ø15mm		
	Opaque	Transparent
white	464022	465022
yellow	464122	465122
green	464222	465222
blue	464322	465322
red	464422	465422
black	464522	
orange	464622	465622

COMMON INFORMATION

Please remember to order the proper tools for use with T&H switches:

Lens Remover Mounting Wrench Lamp Remover

For a brighter light, all transparent lens can be specified with a clear lower lens diffuser. Use 010 suffix (i.e. 461012 010).

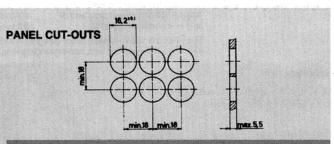
The concealed bezel style is especially suitable for mimic diagrams and for mounting with lens immediately next to each other.

All maintained switches incorporate a bifunctional mechanism for changing the function from maintained to momentary and back again.

WIRING DIAGRAM



250V AC/5A (cos w 0.7) Lamp holder T 1³/₄ MG



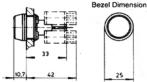
Length = L	mm	Inches	
Pole 1	27.5	1.083	Ø
Pole 2	36	1.417	
Pole 3	44.5	1.752	
Pole 4	53	2.087	Minnes
indicator lamp	23.5	.925	3



Round aluminum bezel style

IP65/IP40





	Faston	Solder
	Connection	Connection
Momentary	505018	505118
Maintained	515018	515118
Indicator lamp	s 555018	555118

Lens Ø18 IP65		
Opaque	Transparent	
464001	465001	
464101	465101	
464201	465201	
464301	465301	
464401	465401	
464501		
464601	465601	
	Opaque 464001 464101 464201 464301 464401 464501	

Lens Ø18 IP40		
	Opaque	Transparent
white	464015	465015
yellow	464115	465115
green	464215	465215
blue	464315	465315
red	464415	465415
black	464515	
orange	464615	465615

Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500. It is splash proof and oil tight in accordance with IP65.

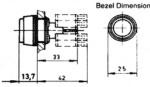
The IP65 standard (splash proof oil tight) is achieved with a sealing ring which comes supplied with the corresponding lens.

An IP40 version can be achieved by specifying standard lens caps Ø18 IP40.

Round aluminum bezel style

With built in silicone cap. **IP65**





M	#	Mi	
1	-	<i>"</i>	
		1	
	25		
		25	25

	Faston	
	Connection	Connection
Momentary	505033	505133
Maintained	515033	515133
Indicator lamp	s 555033	555133

Lens 018 IP65		
	Opaque	Transparent
white	464001	465001
yellow	464101	465101
green	464201	465201
blue	464301	465301
red	464401	465401
black	464501	
orange	464601	465601

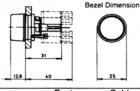
Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500. It is splash proof and oil tight in accordance with IP65, similar to NEMA 4 and 13.

The IP65 standard (splash proof oil tight) is achieved with a sealing ring which comes supplied with the corresponding lens.

Round straight plastic bezel style 025

IP65





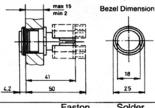
	Faston Connection	Solder
	COITIECTION	Connection
Momentary	505020	505120
Maintained	515020	515120
Indicator lamp	s 555020	555120

	Lens flat Ø21	IP65
	Opaque	Transparent
white	564024	565024
yellow	564124	565124
green	564224	565224
blue	564324	565324
red	564424	565424
black	564524	
orange	564624	565624

Splash proof and oil tight in accordance with IP65, similar to NEMA 4 and 13.

Round flush metal bezel style





	Connection	Connection
	Connection	Connection
Momentary	505051	505151
Maintained	515051	515151
Indicator lamp	s 555051	555151

	Lens flat 018	IP67
	Opaque	Transparent
white	564025	565025
yellow	564125	565125
green	564225	565225
blue	564325	565325
red	564425	565425
black	564525	
orange	564625	565625

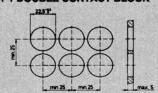
Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500.

It is splash proof and oil tight in accordance with IP67 and submersible up to 1.2 meters. Exceeds NEMA 6.

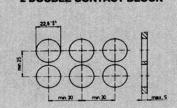
ORDER CONTACT BLOCK SEPARATELY

COMMON INFORMATION CONTACT BLOCKS TO BE SPECIFIED SEPARATELY. Lamp holder T 13 MG

For a brighter light, all transparent lens can be specified with a clear lower lens diffuser. Use 010 suffix (i.e. 461012 010). PANEL CUT-OUTS FOR UP TO 1 SINGLE **CONTACT BLOCK** + 1 DOUBLE CONTACT BLOCK



PANEL CUT-OUTS FOR 2 DOUBLE CONTACT BLOCK





Rectangular straight bezel style, 18x24

Square straight bezel style, 18x18

Round bezel style, Ø18





















	Faston Connection	Solder Connection
Momentary switches	501015	501115
Maintained switches	511015	511115
Signal lamps	551015	551115

	Faston Connection	Solder Connection
Momentary switches	503015	503115
Maintained switches	513015	513115
Signal lamps	553015	553115

	Faston Connection	Solder Connection
Momentary switches	505015	505115
Maintained switches	515015	515115
Signal lamps	555015	555115

Lens flat 15x21		
	Opaque	Transparent
white	560011	561011
yellow	560111	561111
green	560211	561211
blue	560311	561311
red	560411	561411
black	560511	
orange	560611	561611

	Opaque	Transparent
white	562011	563011
yellow	562111	563111
green	562211	563211
blue	562311	563311
red	562411	563411
black	562511	
orange	562611	563611

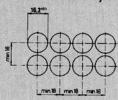
	Lens flat Ø15	
	Opaque	Transparent
white	564011	565011
yellow	564111	565111
green	564211	565211
blue	564311	565311
red	564411	565411
black	564511	
orange	564611	565611

ORDER CONTACT BLOCK SEPARATELY

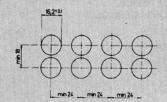
COMMON INFORMATION

The switch is dust proof and oil tight and is submersible up to 1.2 meters. Exceeds NEMA 6. When using incandescent lamps ambient temperature = max. 55°C. CONTACT BLOCKS TO BE SPECIFIED SEPARATELY. Lamp holder T 13 MG

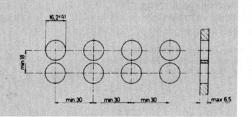
PANEL CUT-OUTS FOR UP TO 2 SINGLE CONTACT BLOCKS (18X18 AND Ø18 STYLE ONLY).



PANEL CUT-OUTS FOR UP TO 1 SINGLE + 1 DOUBLE CONTACT BLOCK



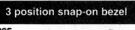
PANEL CUT-OUTS FOR UP TO 2 DOUBLE **CONTACT BLOCKS**

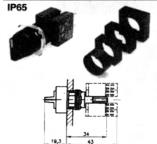




tschudin & heid

3 - Position Rotary Switches





Function	Part	Function	Part
	Number		Number
Doton, El	amont		

Rotary Element



Black Bezel				
18 x 24	24 x 24	18 x 18	Ø 18	
593060	(engravable)	593062	593064	

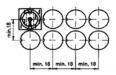




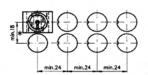


The bezels are easily interchangeable. The switch cannot be installed without a bezel.

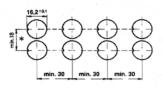
PANEL CUT-OUTS FOR UP TO **2 SINGLE CONTACT BLOCKS** (18X18 AND Ø18 STYLE ONLY)



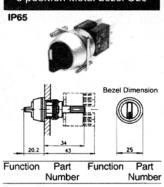
PANEL CUT-OUTS FOR UP TO 1 SINGLE + 1 DOUBLE CONTACT BLOCK

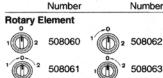


PANEL CUT-OUTS FOR UP TO 2 DOUBLE CONTACT BLOCKS



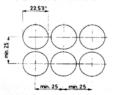
3 position Metal bezel 025



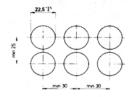


Bezels made of anodized aluminum alloy are also available in black anodized aluminum by adding the suffix 500 i.e. 404018 500. It is splash proof and oil tight in accordance with IP65, similar to NEMA 4 and 13.

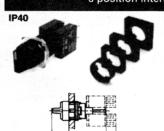
PANEL CUT-OUTS FOR UP TO 1 SINGLE + 1 DOUBLE CONTACT BLOCK



PANEL CUT-OUTS FOR UP TO 2 DOUBLE CONTACT BLOCKS

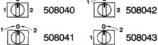


3 position interchangeable bezel



Function Part Function Part Number Number





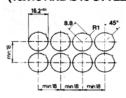
Black Bezel 18 x 24 24 x 24 18 x 18 Ø 18 493062 493064 493066



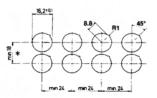


The bezels are easily interchangeable. The switch cannot be installed without a bezel

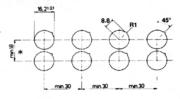
PANEL CUT-OUTS FOR UP TO 2 SINGLE CONTACT BLOCKS (18X18 AND Ø18 STYLE ONLY)



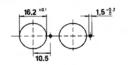
PANEL CUT-OUTS FOR UP TO 1 SINGLE + 1 DOUBLE



PANEL CUT-OUTS FOR UP TO 2 DOUBLE CONTACT BLOCKS



PLEASE USE FOLLOWING PANEL-CUT OUT PROFILE WHEN 18X24 & 24X24 BEZEL

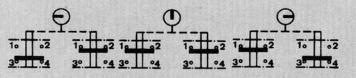


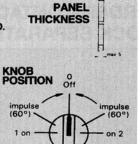
ORDER CONTACT BLOCK SEPARATELY

COMMON INFORMATION The rotary knob is supplied in black. The indicating bar is marked in white.

NB THIS DIMENSION WILL INCREASE TO 24MM IF 24X24 BEZEL STYLE IS USED. CONTACT BLOCKS TO BE SPECIFIED SEPARATELY.

WIRING DIAGRAM (3 POSITION)



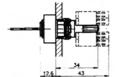




2 - Position / 3 - Position / Key Switches

KABA MICRO & KABA MICRO-E 2 position with snap-on bezels





Key Removable in Position			
			1+2
Off	On	Off	On+Off
548132	548134	548136	548138
548175		548176	548177
	1(mom) Off 548132	1(mom) 2 Off On 548132 548134	1(mom) 2 1 Off On Off 548132 548134 548136

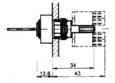
	Black	Black Bezel				
18 x 24	24 x 24 (engravable)	18 x 18	Ø 18			
593060	593066	593062	593064			
_						

Once a bezel has been assembled it can no longer be removed.

KABA MICRO 3 position with snap-on bezels

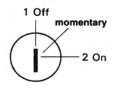


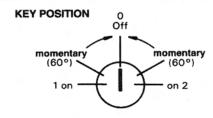




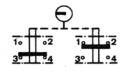
Function	Part Number	Function	Part Number	Function	Part Number	_
Cylinder Elen	nent			0		
•102•	548150	1 0 20	548155	•1 2•	548160	
1 1 2 •	548151	1 20	548156	•1 D 2	548161	
1 2 •	548152	1 2	548157	•1 2	548162	
1 1 2	548153	1 D 2	548158			
' 🕲 ²	548154	•1 1 2	548159			

KEY POSITION

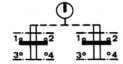


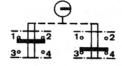


WIRING DIAGRAM



• = Key in removable position





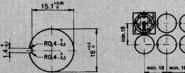
PANEL CUT-OUTS FOR

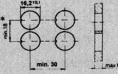
UP TO 2 DOUBLE

CONTACT BLOCKS

COMMON INFORMATION

ORDER CONTACT BLOCK SEPARATELY PANEL CUT-OUTS FOR PANEL CUT-OUTS FOR UP TO UP TO 2 SINGLE CONTACT BLOCKS 1 SINGLE + 1 DOUBLE (18X18 AND Ø18 STYLE CONTACT BLOCK ONLY).

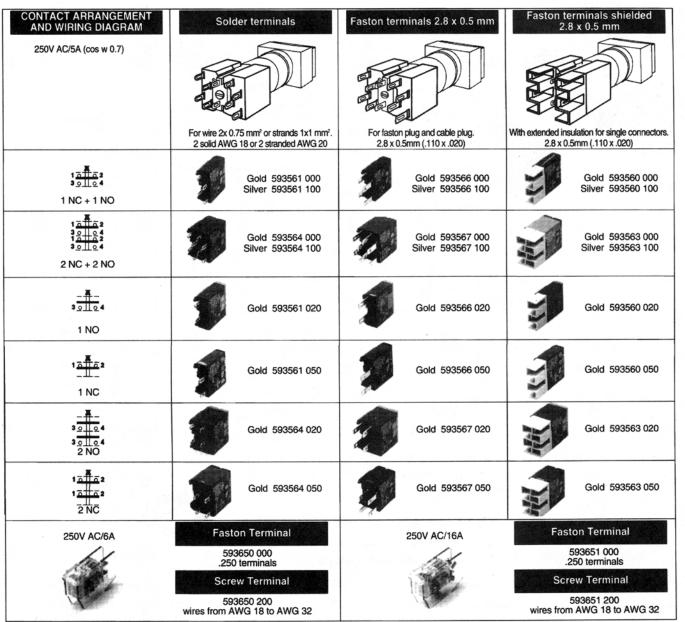


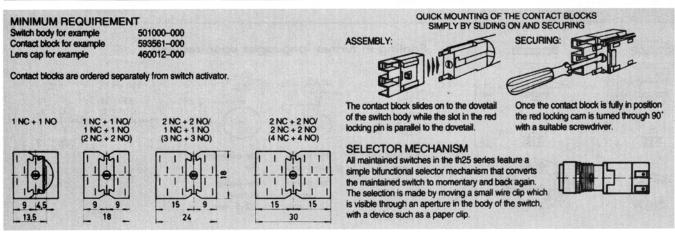


* NB THIS DIMENSION WILL INCREASE TO 24MM IF 24X24 BEZEL STYLE IS USED.



Contact Block Selector Chart







Emergency stop switches according to EN 418



IP66/IP67

Panel cut-out 16.2 mm

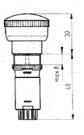
- mushroom cap Ø 27 mm
- meet EN 418 regulations (can not be defeated)
- SUVA approval
- rotary reset or pull reset
- faston terminals 2.8 x 0.5 mm
- weight: 16.8 g

	rotary reset	pull reset
INC + INO	880 203 000	881 203 000
2NC	880 204 000	881 204 000

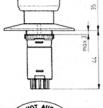
pull reset available approx. June 1999

Accessories

Background disk Ø 43 mm x 5 mm	yellow plastic including seal		NOT AUG.
for panel cut-out	with printing	893 002 000	STOP ARRET OF
16.2 mm	without printing	893 003 000	
Adapterset	yellow plastic		
Ø 43 mm x 5 mm	including seal and v	vasher	
for panel cut-out	with printing	893 000 000	
22.5 mm	without printing	893 001 000	
Background decal	self adhesive PVC-le	af, yellow	HUT AUS
Ø 43 mm x 0.1 mm	with printing	893 011 000	
for panel cut-out	without printing	893 010 000	AMERICAN LA PROPERTY AND
16.2 mm			STOP ARTHU









Printing in further languages upon request



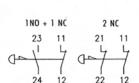
for background decal for panel cut-out 16.2 mm



for background disk for panel cut-out 16.2 mm



for adapter set for panel cut-out 22.5 mm







Technical Data

General

BEZEL

Noryl, anodized aluminum alloy.

MOUNTING

Central with metal nut. Mounting tools available from T&H.

LENS

Engravable polycarbonate in different colors.

CONTACT BLOCK CASING

Diallylphthalate, heat-resisting and self-quenching (UL 94 VO).

SWITCHING CONTACTS

Silver nickel contacts, 5µ gold-plated (for small currents and voltage) or, 5µ silver plated.

CONTACT BLOCK TERMINALS

th4 & th5. Patented, bendable gold-plated double solder terminals will accept 2 x AWG 18 stranded or 4 x AWG 20 wire. th25 gold or silver plated solder terminals accept 2 solid AWG 18 or 2 stranded AWG 20 wire. Faston accepts 2.8 x 0.5 mm (.110 x .020) terminals.

AMBIENT TEMPERATURE

-30°C to +55°C

Heat congestion in assemblies of illuminated switches and signal lamps should be avoided.

PROTECTIVE SYSTEMS

General IP40, oil tight and dust proof. Special oil-tight, splash-proof and submersible switches in accordance with IP65 and IP67.

TEST MARKS

SEV, VDE, DEMKO, SEMKO, NEMKO, CEE, SUVA, OEVE, UL and CSA.

VIBRATION

Amplitude 1.5mm pp at 55 Hz at 0.060 D.A.

ACCELERATION

10g in all three planes.

DIELECTRIC STRENGTH

2000 VAC one minute duration.

INSULATION RESISTANCE

2000 Megohms.

Mechanical

SWITCHING MECHANISM

Snap-action contacts with a minimum of bouncing and optimum self cleaning.

CONTACT ASSEMBLY

th4 & th5 1 NO and/or 1 NC contact per contact block. Up to four contact blocks can be assembled.

th25 1 NO and/or 1 NC or 2 NO and/or 2NC contacts per block. Up to two contact blocks can be assembled.

LIFE-MECHANICAL

2,000,000 switching operations.

ACTUATING FORCE

Approximately 30 grams.

CHANGE OVER MECHANISM

From maintained to momentary.

Electrical

SWITCHING CAPACITY

250V AC/5A (cos w 0.7).

DC LOAD

(resistive load) 12V/5A, 24V/4A, 36V/3A, 48V/2A, 60V/1.5A, 125V/0.5A, 250V/0.3A. (inductive load L/R = 15 ms) 12V/3A, 24V/2A, 36V/1.7A, 48V/1.5A, 60V/1.2A,

125V/0.3A, 250V/0.2A.

LIFE

Approx. 70,000 switching operations at 5 amps, 250VAC (cos w 0.7).

LAMPS th4

Telephone lamps with plug-in socket T 5.5 (incandescent lamps, neon bulbs, LED's).

LAMPS th5 AND th25

Midget-grooved lamps T 1¾ (incandescent lamps, LED's, and neon bulbs).

CONTACT RESISTANCE

Gold contacts $\leq 20 \text{ m}\Omega$. Silver contacts $\leq 50 \text{ m}\Omega$.

Subject to change without notice.