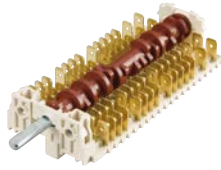


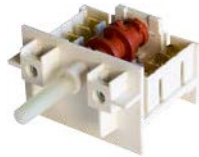
# Selectors

04



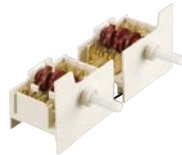
**HE**

176



**5HE 7TAKT**

180



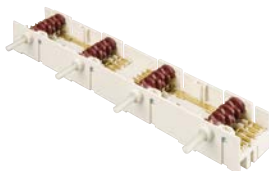
**5HE 7TAKT DUO**

182



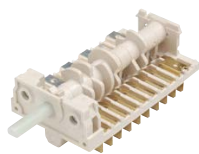
**HT**

184



**5HE 4 BLOCK**

186



**CH**

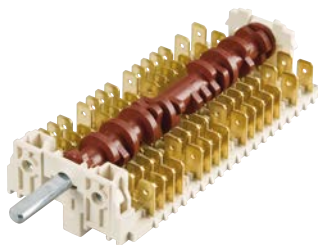
187



**2CH WITH ENCODER**

188

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# HE



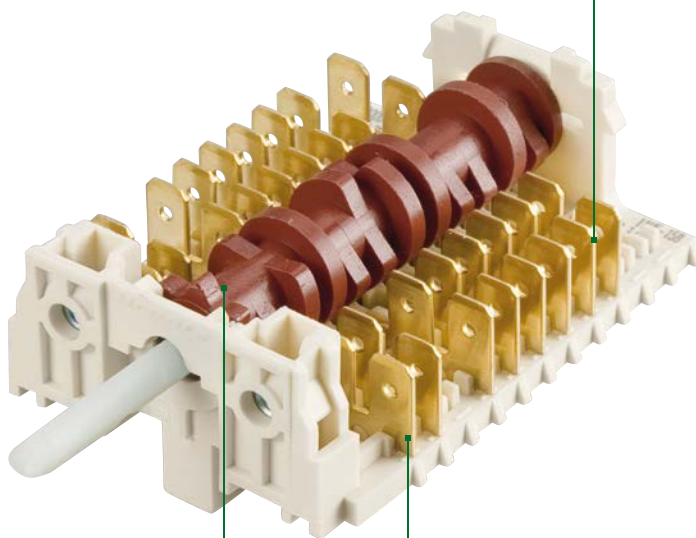
<b>TYPICAL APPLICATIONS</b>	Function selector switch
<b>WIRING DIAGRAMAS</b>	2 - 14 positions Rast 5 connectors
<b>GWFI</b>	850 °C
<b>GWIT</b>	750 °C

Rotary switches with a wide range of configurations. 6 types of housing available, different for the maximum number of contacts. HE series is automatically assembled in a great variety of configurations.

- Function selector switch
- Child lock - push to turn feature on demand
- Coupling with encoder available
- Flexibility of wiring diagrams
- Different “click” or frictional feeling
- Metal or plastic shafts with different lenghts: 12,5 - 46 mm (standard shafts protude: 23 mm)

## EXAMPLE OF 11HE WITH 8 CONTACTS

Easy wiring with multiple plug (Rast 5) or single terminals 6,3 mm



2 - 14 positions

Standard double contact

### Rating

16 A / 250 VAC - 10E3

12 A / 400 VAC - 30E3

0,25 A / 250 VAC - 30E3

T150 °C

According to

EN61058-1 standard

16 A / 250 VAC

T120 °C

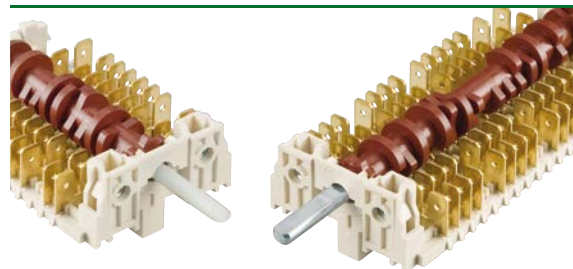
According to

UL 1054



### TYPICAL TERMINALS

- Single terminals
- Double terminals
- Chopped
  - left
  - center
  - right



### TYPES OF SHAFT

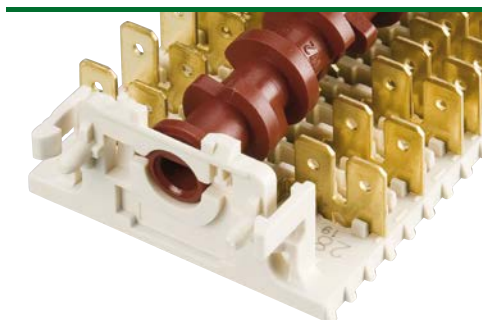
Plastic

Metal



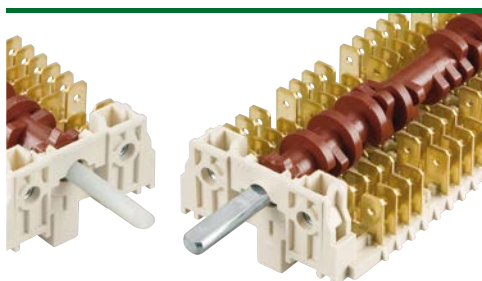
## OPTIONS

Higher number of contacts, multiple versions, possibility to use accessories are the main features of HE series.



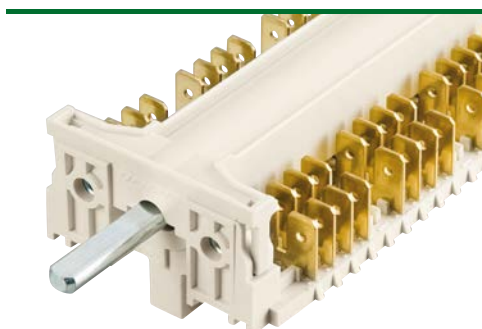
### Body with accessory holder

- Possibility to use in conjunction with a capillary thermostat or an encoder



### Shaft

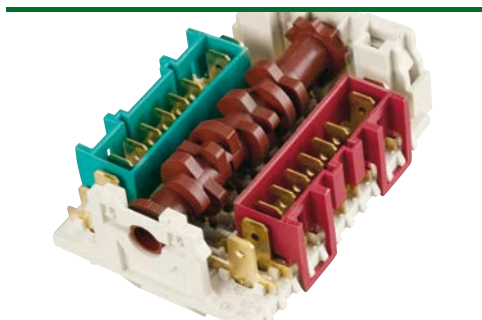
- Metal or plastic shaft with length on demand (12.5 - 46 mm)
- Standard shaft length: 23.5 mm



### Cam cover

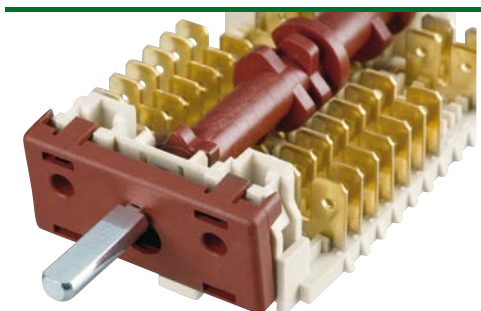
- Cam cover protects cam and contacts from dirt and waste of cooking.

Note: cam cover is available for 11 and 19 versions.



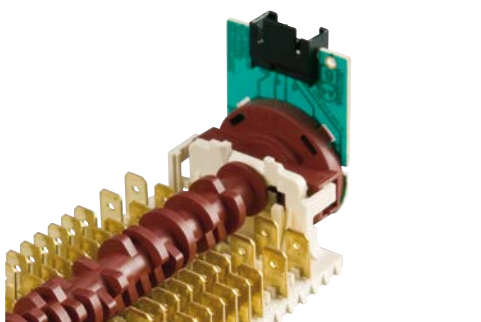
### Terminal housing

- Various dimensions of terminal housing: for 2 - 4 - 6 connections.
- Terminal housing available only for single terminal version.



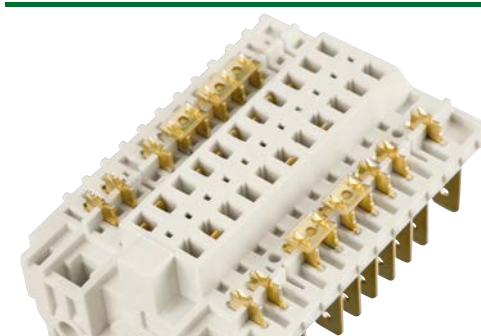
#### Child lock - push to turn feature

- Push to turn safety feature available.



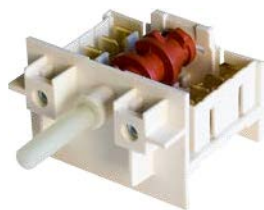
#### Coupling with encoder

- HE series can be coupled to an electromechanical to control electrical and power signals.



#### Bridges

- The use of bridges between contacts increases range of combinations.
- For every line the number of bridges can vary between 0 up to 5.
- It can be joined up to 7 contacts.



# 5HE 7TAKT



On demand

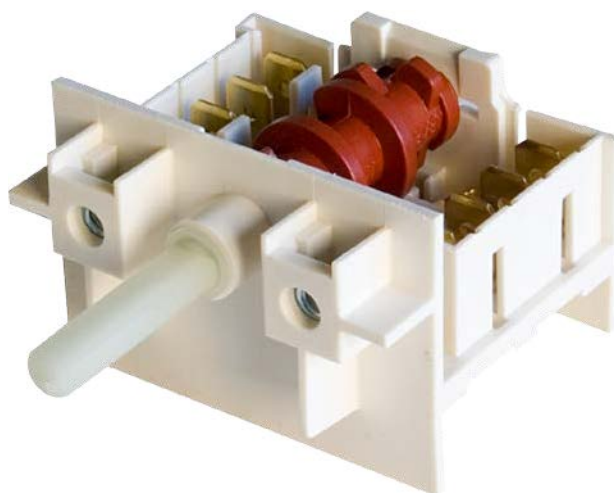
<b>TYPICAL APPLICATIONS</b>	Hobs control
<b>WIRING DIAGRAMAS</b>	7 positions
<b>GWFI</b>	850 °C
<b>GWIT</b>	750 °C

Rotary switches with different mounting solution available, 7 positions, with electric rating up to 12A. Ideal for hobs control, with a terminal housing conjuncted to the body.

- Standard connecting with single terminals 6,3 mm
- Different mounting solutions available:  
snap-in, nuts or screw fixing
- 30.000 cycles
- Plastic shafts with different lengths (16 - 31 mm)

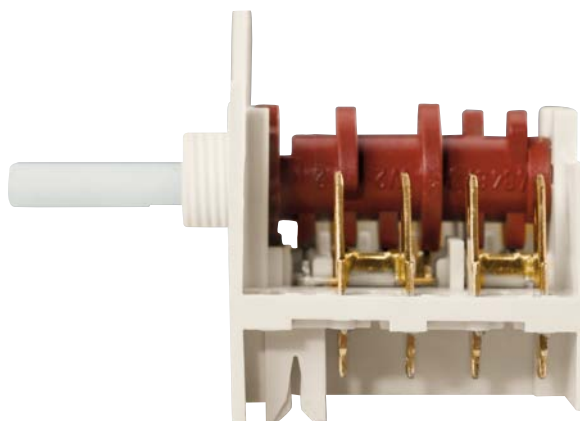
**Rating**  
12 A / 400 VAC 30E3  
T150 °C  
According to  
EN61058-1 standard

16 A / 250 VAC  
T120 °C  
According to  
UL 1054

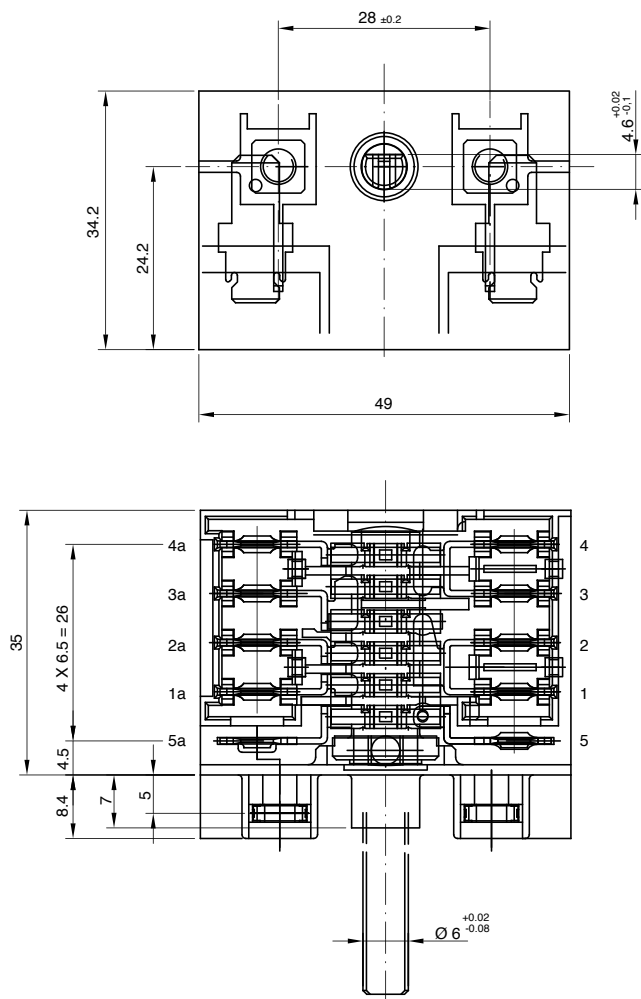


## TECHNICAL FEATURES

Rast 6,5 multiple connection.



## DIMENSIONS



## CONTACT SEQUENCE

Pos.	Ang.	P3	P1		P2	
		5a	1a-2a		3a-4a	
		5	1	1	3-3	4
		5	2	2	3-3	4
0	0°					
1	51,4°	■	■	■	■	■
2	102,8°	■		■	■	■
3	154,2°	■		■	■	
4	205,6°	■		■		■
5	257,0°	■			■	■
6	308,4°	■	■		■	

## SOLUTIONS

### Nut Fixing



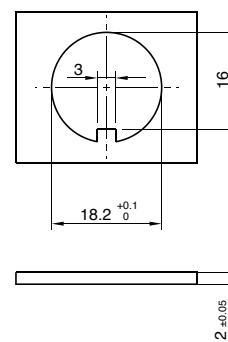
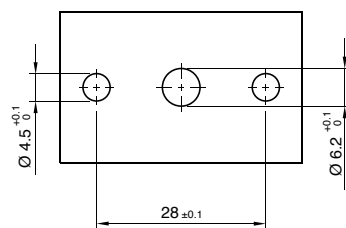
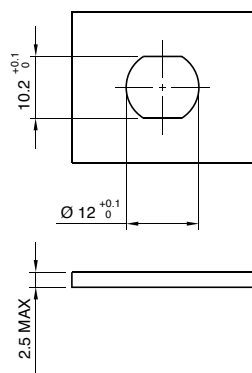
### Screw fixing



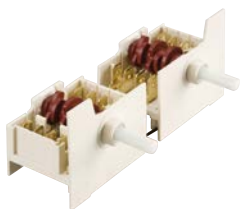
### Snap-in fixing



## CUT OUT







# 5HE 7TAKT DUO



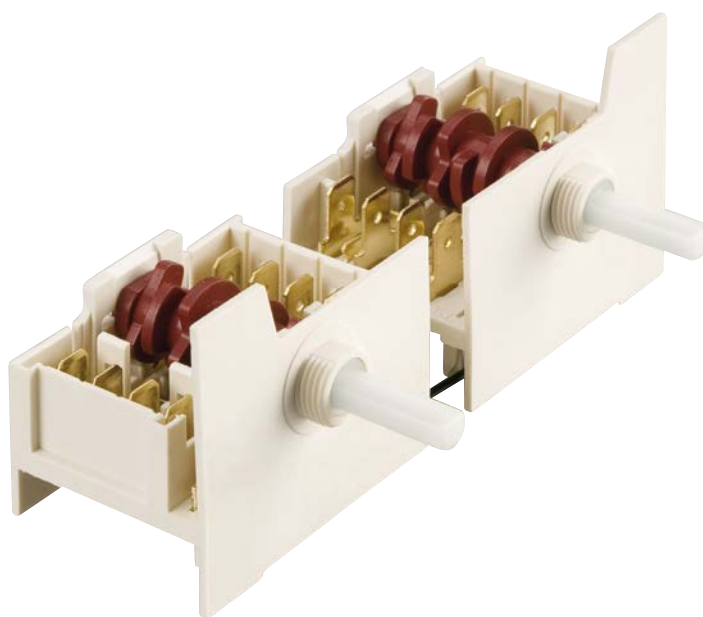
On demand

<b>TYPICAL APPLICATIONS</b>	Hobs control
<b>WIRING DIAGRAMAS</b>	7 positions
<b>GWFI</b>	850 °C
<b>GWFI</b>	750 °C

This series is composed of two 5HE 7TAKT rotary selectors, 3 different distances of axis available (55, 60 and 65 mm). Each selector has 7 positions, electric rating up to 12A and different mounting solutions. Duo block permits to make the wiring easier.

- Standard connecting with single terminals 6,3 mm
- Different mounting solutions available: snap-in, nuts or central mounting
- Metal or plastic shafts with different lengths
- Rast 6,5 multiple connection available
- Metal or plastic shafts with different lengths:  
(16 - 31 mm)

## EXAMPLE OF 5HE 7TAKT DUO WITH NUTS

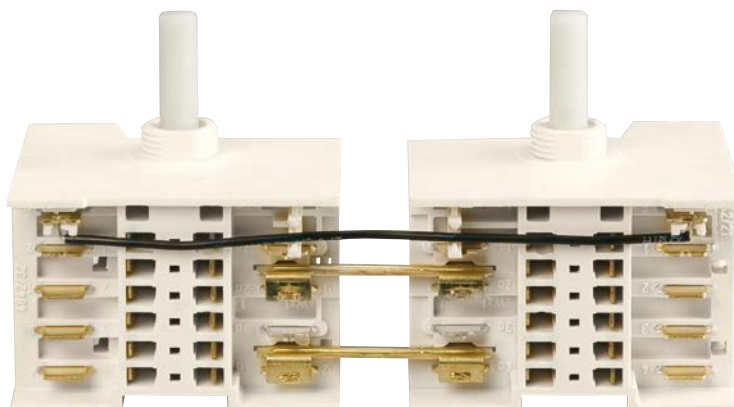


**Rating**  
12 A / 400 VAC 30E3  
T150 °C  
**According to**  
EN61058-1 standard

16 A / 250 VAC  
T120 °C  
**According to**  
UL 1054

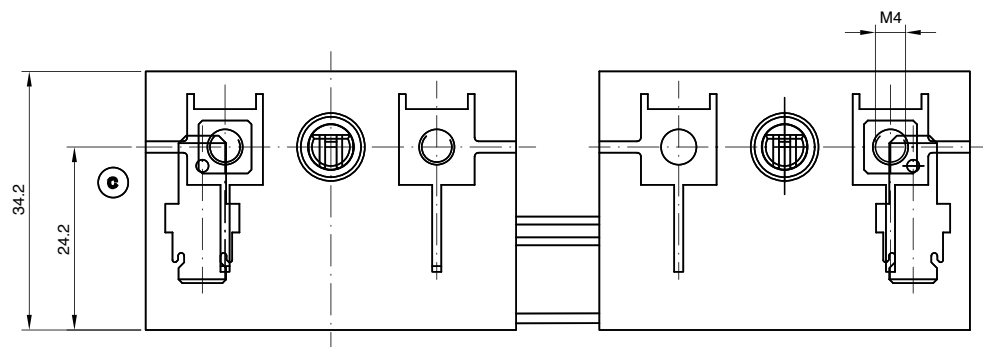
## TECHNICAL FEATURES

Various distances of axis available:  
55, 60 and 65 mm.

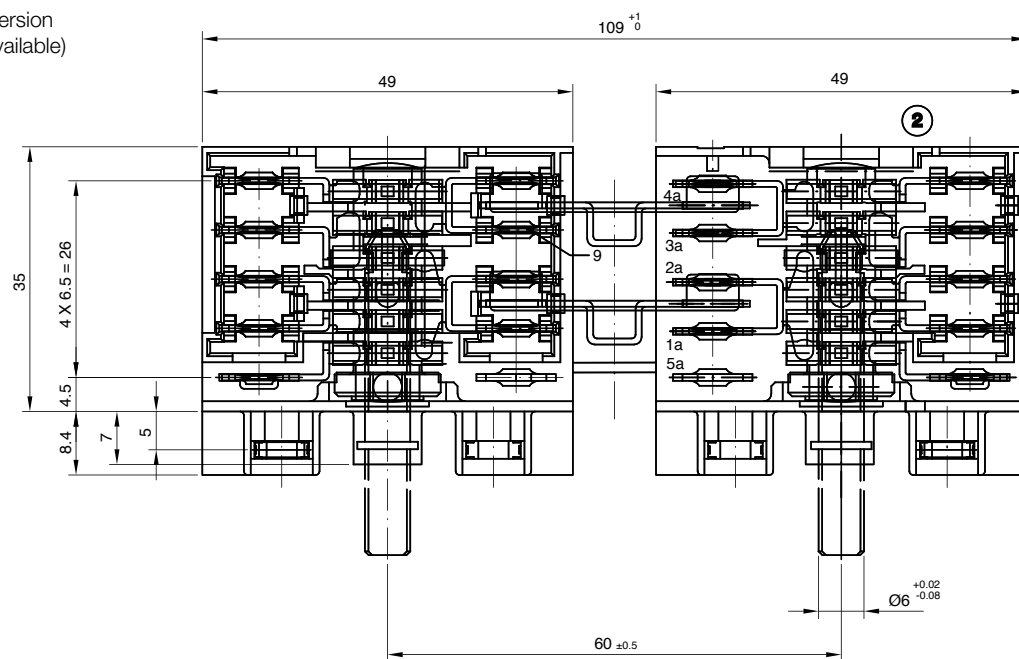


## DIMENSIONS

Screw fixing version



60 mm interaxis version  
(55 and 65 mm available)



## CONTACT SEQUENCE

		P3		P1			P2		
	Ang.	5a		1a-2a			3a-4a		
Pos.		S	1	2	3-3		4		
0	0°								
1	51,4°	■	■	■		■	■		
2	102,8°	■		■		■	■		
3	154,2°	■		■		■			
4	205,6°	■		■			■		
5	257,0°	■			■		■		
6	308,4°	■	■			■			

Pos.	Ang.	5a		1a-2a			3a-4a	
		S	1	2	3-3		4	
0	0°							
1	51,4°	■	■	■		■	■	
2	102,8°	■		■		■	■	
3	154,2°	■		■		■		
4	205,6°	■		■			■	
5	257,0°	■			■		■	
6	308,4°	■	■			■		



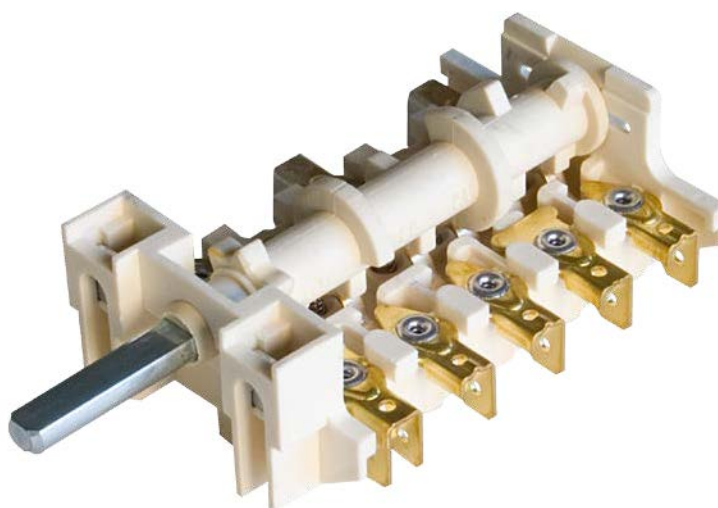
# HT

<b>TYPICAL APPLICATIONS</b>	Electric hobs in freestanding cookers
<b>WIRING DIAGRAMAS</b>	2 standard positions rotary switch
<b>GWFI</b>	850 °C
<b>GWIT</b>	750 °C



7 positions rotary switch, ideal for electric hobs in freestanding cookers. M4 screw mounting and different shafts available. Special sequences with 4 - 5 - 6 positons are available.

- Terminals 6,3 mm
- M4 screw mounting
- Metal or plastic shafts
- With or without signal contact



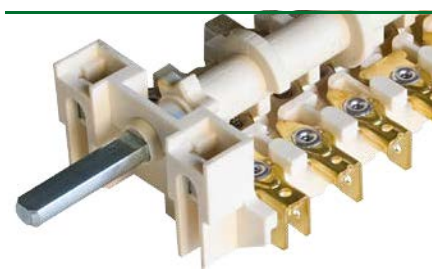
**Rating**  
12 A / 400 VAC - 30E3  
T150 °C  
According to  
EN61058-1 standard

16 (6) A / 250 VAC  
T150 °C  
According to  
UL 1054

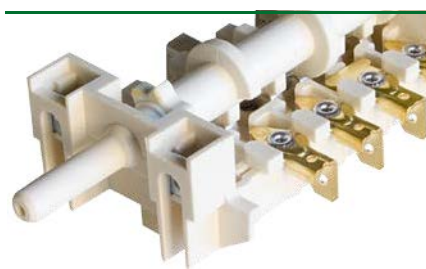
## OPTIONS

Metal or plastic shaft, with length on demand.

Metal shaft



Plastic shaft



Technical drawing of a mechanical part, showing two views: a front view (top) and a side view (bottom).

**Front View (Top):**

- Top diameter:  $\varnothing 6$
- Top surface finish:  $+0.02$  /  $-0.08$  /  $4.6$  /  $+0.1$
- Central shaft diameter: 49.15
- Top surface chamfer:  $1 \times 45^\circ$
- Top surface texture: 0.8
- Vertical dimensions: 23  $\pm 0.5$ , 15.7, 4 X 12 = 48, 70.65
- Horizontal dimensions: 4.8, 28  $\pm 0.2$
- Labels: P1, P2, P3, 1, 2, 3, 4, 5

**Side View (Bottom):**

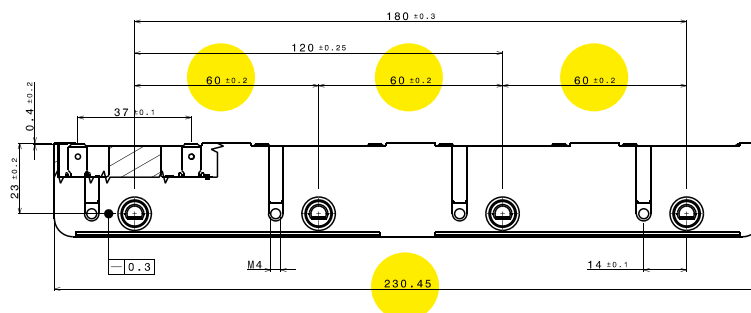
- Width: 41
- Height: 7.5
- Thread: M4
- Scale: 20

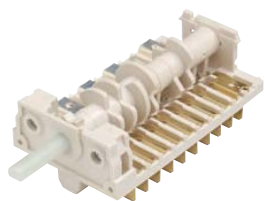
Pos.	Ang.	5	2	1	3-3	4
		P3	P1			P2
0	0°					
1	51,4°	■	■	■		■
2	102,8°	■	■			■
3	154,2°	■	■			■
4	205,6°	■	■			■
5	257,0°	■			■	■
6	308,4°	■		■		■



<b>TYPICAL APPLICATIONS</b>	Hobs control
<b>WIRING DIAGRAMAS</b>	7 positions
<b>GWFI</b>	850 °C
<b>GWFI</b>	750 °C

16 A / 250 VAC  
T120 °C  
According to  
UL 1054





# CH

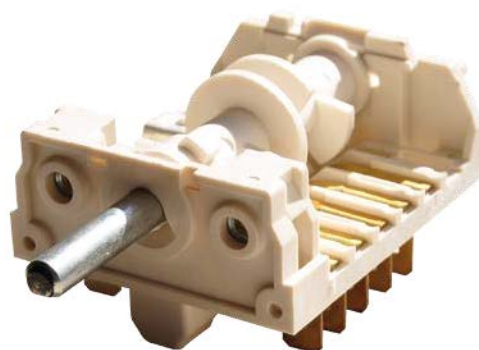


<b>TYPICAL APPLICATIONS</b>	Function selector switch
<b>WIRING DIAGRAMAS</b>	2 - 14 positions
<b>CYCLE No.</b>	Up to 30.000
<b>AMBIENT TEMPERATURE</b>	150 °C
<b>GWFI</b>	850 °C
<b>GWFI</b>	750 °C
<b>ADDITIONAL FEATURES</b>	<ul style="list-style-type: none"> <li>■ M4 screw mounting</li> <li>■ 26 contacts version available</li> </ul>

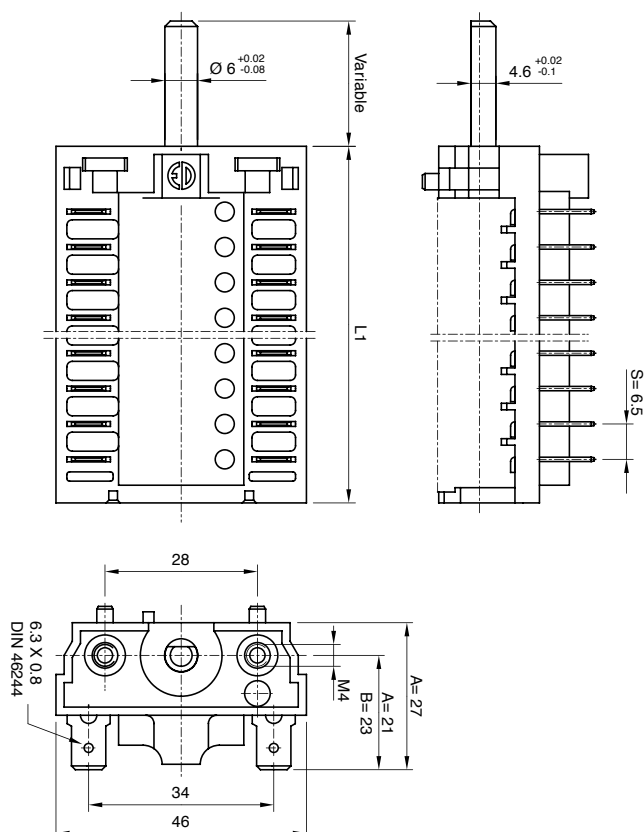
Thermostat version available

16 (6) A / 250 VAC - 30E3  
 16 (8) A / 250-125 VAC - 10E3  
 18 A / 250-125 VAC - 30E3  
 12 A / 400 VAC - 30E3  
 T150 °C  
 According to  
 EN61058-1 standard

3/4 HP / 125 VAC  
 18A / 250 VAC  
 16A / 250 VAC  
 T125 °C  
 According to  
 UL 1054

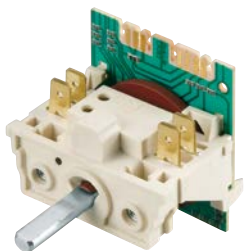


## DIMENSIONS



## CONTACT SEQUENCE

Basic Version					
Type	Contacts		L1		Version
	16(4)/250ac 6(2)/250ac	6(1.5)/250ac	S=7	S=6.5	
1-CH	1		29,5*		A
2-CH	2		25	36*	A
3-CH	3		32	33	A
4-CH	4		39	39.5	A, B
5-CH	5		46	46	A
6-CH	6		49,5		A
6-CH	6		53	52.5	A, B
7-CH	7			59	A, B
8-CH	8		67	65.5	A, B
9-CH	9			72	A
10-CH	10		81	78.5	A, B
11-CH	11		88	85	A, B
12-CH	12		95		A
13-CH	8	5	S=7	S=6	A
			97		



# 2CH with encoder



<b>TYPICAL APPLICATIONS</b>	Electronic and electrical function selector
<b>WIRING DIAGRAMS</b>	■ On demand
<b>CYCLE No.</b>	30.000
<b>AMBIENT TEMPERATURE</b>	85 °C
<b>ADDITIONAL FEATURES</b>	■ Solution combining selector and encoder functions, that allows to improve flexibility and compactness

Solution combining selector and encoder functions, that allows to improve flexibility and compactness.

## Rating

16 (6) A / 250 VAC

10 (2) A / 400 VAC

18 A / 250 VAC

6 (4) A / 250 VAC

T 150 °C

According to

EN61058-1 standard

3/4 HP / 125 VAC

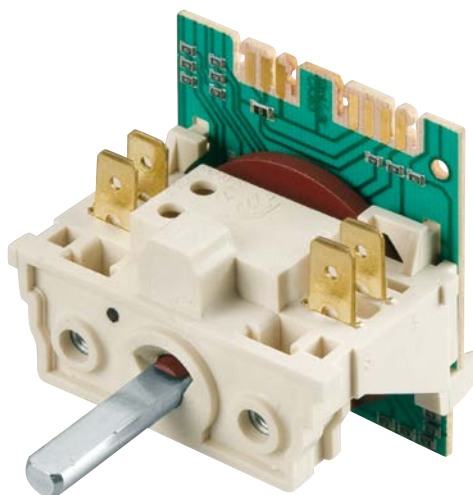
16 A / 250 VAC

13.8 A / 250 VAC

T 85 °C

According to

UL 1054



## DIMENSIONS

