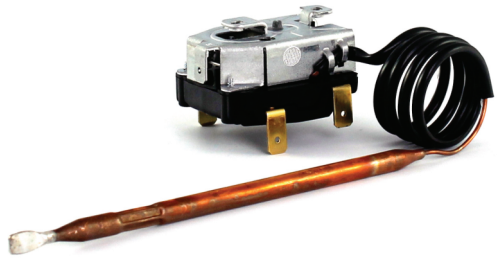
C.1.11.

THERMAL FUSE series KNTP 881*.** KNTP 8823.02



single-pole and double-pole

DESCRIPTION:

• design:
single-pole (KNTP 8812.02, 8813.02, 8814.02),
double-pole (KNTP 8823.02)
• connection terminals: flat pins 6,3x0,8
according to ČSN EN 612 10
• sensor material: copper, stainless steel

TECHNICAL PARAMETERS:

•switching temperature ranges:
35-99°C (KNTP 8812.02)
35-80°C (KNTP 8813.02)
50-320°C (KNTP 8814.02)
• switching temperature difference: -6, -10°C
• max. sensor temperature: 90°C (KNTP 8813.02)
110°C (KNTP 8812.02)
330°C (KNTP 8814.02)
• nominal current: 16(3,5)A
• nominal voltage: 250V
• protection: IP 00, KNTP is built-in

SPECIFICATION:

Capillary non-reversible thermal fuse (further only KNTP) is a protection device with temperature sensor, which serves as a temperature limiter in appliances heated up by AC under abnormal working conditions. KNTP does not serve as a switch. KNTP is built-in single or double-pole switching capillary non-reversible fuse, that works on principle of liquid dilatation. KNTP consists of two main parts - switching mechanism and capillary temperature sensor. When the sensors environment temperature reaches the switch-off value preset by the manufacturer, electric circuit is disconnected. Another start of the system must be done mechanically by pressing the button on the switches body, after the sensor has cooled down. It is not allowed to turn the KNTP on under el. load. Mounting of KNTP is performed by two M4 screws. There is a protection grounding pin on the cover. Only skilled personnel may recconect the system.

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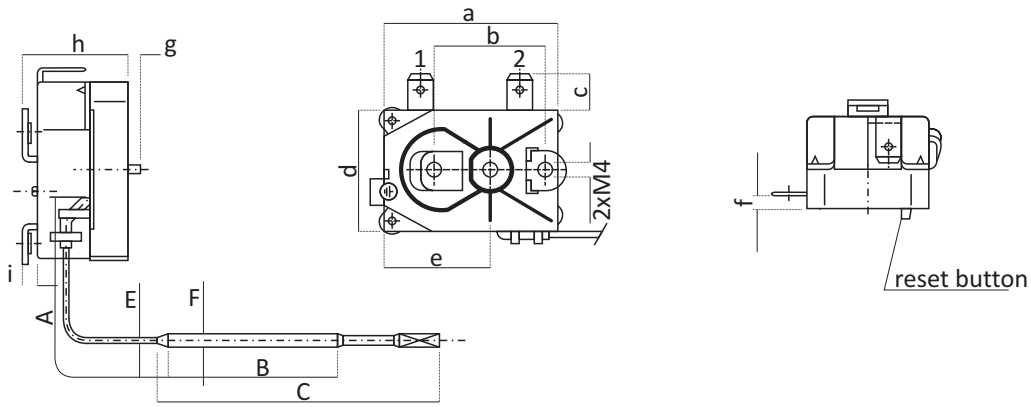
Type	KNTP 8812.02	KNTP 8813.02	KNTP 8814.02
Regulatory range (switch-off temp.)	35-99°C	35-80°C	50-320°C
Switching temp. dispersion	-6°C	-6°C	-20°C
Nominal current	16(2,6)A	16(2,6)A	16(2,6)A
Nominal voltage	240V	240V	240V
Switching mechanism environ. temp.	0-120°C	0-120°C	0-120°C
Max. sensor temperature	110°C	90°C	330°C
Possible mechanical turn-on temp.	T_{sw} -10°C	T_{sw} -10°C	T_{sw} -15°C
Weight	80g	75g	70g
Protection mode	IP 00, KNTP is built-in	IP 00, KNTP is built-in	IP 00, KNTP is built-in
Protection class	I	I	I
Guaranteed no. of aut. switches (cycles)	300 cycles	300 cycles	300 cycles
Min. radius of capillary bend	R_{min}=5mm	R_{min}=5mm	R_{min}=5mm
Connection terminals	flat pins 6,3x0,8 according to ČSN EN 612 10		

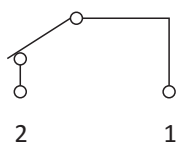
• KNTP 8812, KNTP 8813, KNTP 8814



Dimensions in mm								
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Sensor mater.	Ground. pin
8812.02	930	114	140	890	1,3	6	Cu	yes
8813.01	450	114	140	410	1,3	6	Cu	yes
8814.02	830	130	160	10	1	3	stain. steel	yes

Dimensions in mm								
a	b	c	d	e	f	g	h	i
44	28	9	30,5	26,8	3,4	2,5	27	4

Wiring diagram



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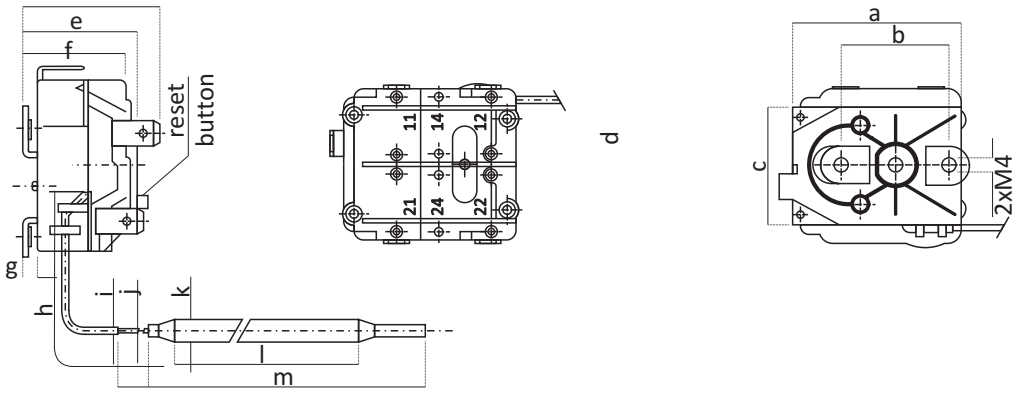
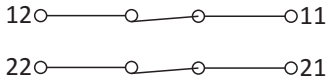
Type	Two-pole thermal fuse KNTP 8823.02
Regulatory range (switch-off temp.)	35-99°C
Switching temperature dispersion	-10°C
Nominal current	16A
Nominal voltage	250V
Max. temper. of switching mechanism	85°C
Max. sensors temperature	110°C
Possible mechanical turn-on temp.	T_{sw}-15°C
Weight	100g
Protection	IP 00
Protection class	I
Guaranteed no. of aut. switches (cycles)	300 cycles
Min. radius of capillary bend	R_{min}=5mm
Connection terminals	flat pins 6,3x0,8 according to ČSN EN 612 10

• KNTP 8823



Dimensions in mm												
a	b	c	d	e	f	g	h	i	j	k	l	m
44,5	28	30,5	36	30	27	4	450	3	1,3	6	114	140

Wiring diagram



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