

**AK-1505-B**

# 10 A CLOSED-LOOP THERMOSTAT



## DESCRIPTION:

120 V ~ 250 V, 10 A, closed-loop thermostat, for 35 mm DIN assembly, with rack-mount ear and 10 A terminal block

## PRODUCT SPECIFICATION:

Housing	Plastic, acrylonitrile butadiene styrene (ABS)
Fire resistance	UL 94 V-0
Degree of protection	IP20
Storage & operating temperature	-20°C ~ 80°C
Storage & operating humidity	10% ~ 90% non-condensing
Color	Black
Power supply	120 V ~ 250 V
Maximum switching capacity	120 V @ 15 A, 230 V @ 10 A, 250 V @ 10 A
Power consumption	DC 30 W max.
Sensor type	Thermal bimetal
Adjustable temperature range	0°C ~ 60°C
Switch temperature difference (hysteresis)	7 K (± 4 K tolerance)
Temperature tolerance	± 3°C
Contact	A-contact, normally open (NO), closed-loop, snap-action
Resistance	< 10 mΩ
Terminals	Up to 2.5 mm <sup>2</sup> pole terminals
Recommended construction of the conductor	Solid (2.5 mm <sup>2</sup> ; AWG 14) & stranded (1.5 mm <sup>2</sup> ; AWG 16)
Maximum tightening force	0.5 Nm
Service life	> 100 000 cycles
Assembling	Included mounting ear or thermostat clips
Thermostat handles	4 with spacing compliant with 35 mm DIN rail mount
Mounting ear	Steel plate, flat, 1.0 mm thick, handles compatible with rack standard (10", 13", 19" etc.), RAL-9004, ~2.5 U, (L x W x H): 43.0 mm x 67.8 mm x 97.3 mm
Accessories	Mounting ear for rack installation, electrical terminal block with 3 x contacts to 10 A, 2 x washers for the screws of the terminal block, 2 x M6 screws, 2 x M6 cage nuts, 2 x M6 plastic cushions, 8 cm transparent cable tie