

**060L112566****Thermostat, KP81**

Temperature range [°C]: 80 - 150, Reset function: Auto, Contact function: SPDT,  
Sensor type: Remote bulb, Capillary tube length [mm]: 2000, Enclosure rating  
IP: IP30

**PRODUCT DETAILS**

<b>Gross weight</b>	0.442 Kilogram
<b>Net weight</b>	0.372 Kilogram
<b>EAN</b>	5702423148646
<b>Type</b>	KP81
<b>Product group</b>	Switches and thermostats
<b>Product Name Description</b>	Thermostat
<b>Amb. Temp. Note</b>	80 °C/176 °F for max 120 min
<b>Ambient temperature range [°C] [max]</b>	65 °C
<b>Ambient temperature range [°C] [min]</b>	-40 °C
<b>Ambient temperature range [°F] [max]</b>	150 °F
<b>Ambient temperature range [°F] [min]</b>	-40 °F
<b>Approval</b>	BV CCC CE CMIM DNV EAC GL LLC CDC EURO-TYSK LVD RINA RMRS RoHS China c UL us UL353, CS C22.2 c UL us UL873, CS C22.2
<b>Cap. tube length fraction [in]</b>	78 3/4 in
<b>Capillary tube length [mm]</b>	2000 mm
<b>CE evaluated</b>	Yes
<b>Charge type</b>	Adsorption
<b>China RoHS compliance</b>	Yes
<b>Contact function</b>	SPDT
<b>Contact rating</b>	AC15=10 A, 400 V AC1=16 A, 400 V AC3=16 A, 400 V DC13=12 W, 220 V LR=112 A, 400 V

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## Product Detail | Thermostat, KP81

## PRODUCT DETAILS

Contain batteries	No
Diff. @ Max. range setting [K] [max]	23 K
Diff. @ Max. range setting [K] [min]	7 K
Diff. @ Max. range setting[°C] [max]	23 °C
Diff. @ Max. range setting[°C] [min]	7 °C
Diff. @ Min. range setting [K] [max]	20 K
Diff. @ Min. range setting [K] [min]	6 K
Diff. @ Min. range setting[°C] [max]	20 °C
Diff. @ Min. range setting[°C] [min]	6 °C
Differential type	Adjustable
Electrical connection	Rubber cable gland
Electrical connection size	6-14 mm
Electrical spec. standard	EN 60947-5
EN 60947 electrical properties	Insulation: 400V Pollution degree: 3 Rated impulse voltage: 4 kV Short circuit prot, fuse: 16A
EN 60947 wiring properties	Flex, ferrules: 0.5-1.5 mm <sup>2</sup> Flex, no ferrules: 0.7-2.5 mm <sup>2</sup> Solid/stranded: 0.75-2.5 mm <sup>2</sup>
Enclosure rating IP	IP30
Enclosure rating Nema (~)	1
EU RoHS compliance	Yes
EU RoHS exemption clause	No
Max. sensor temperature [°C]	200 °C
Max. sensor temperature [°F]	392 °F
Other RoHS documentation	Saudi Arabia RoHS
Packing format	Multi pack
Product accessories	Switches accessories
Product description	Thermostat
Quantity per packing format	14 pc
REACH Candidate List substances	Lead (CAS no. 7439-92-1) Cadmium oxide (CAS no.1306-19-0)
Reset function	Auto
SCIP dossier no.	b1323c86-8856-44cc- b1c6-6849abe37ee4
SCIP dossier product name	KP/KPI pressure switch
Sensor size (Ø x L) [in]	3/8 x 3 3/8 in
Sensor size (Ø x L) [mm]	9.5 x 85 mm
Sensor type	Remote bulb
Serviceable	No
Temperature range [°C] [max]	150 °C
Temperature range [°C] [min]	80 °C
Temperature range [°F] [max]	302 °F
Temperature range [°F] [min]	176 °F
UL approval file name	E31024 MH27572
UL evaluated	Yes

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**Accessories**

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**017-420166** [🔗](#)**Switches accessories, Sensor holder kit**

Type designation: Sensor holder kit, Parts included: 4x cable bearers, Packing format: Multi pack, Quantity per packing format: 20

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**017-420466** [🔗](#)**Switches accessories, Clamping band**

Type designation: Clamping band, Parts included: 1x screw 4x20, Packing format: Multi pack, Quantity per packing format: 10

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**017-421666** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: RT; KP, Sensor pocket length min. [mm]: 465, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 12

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**017-422066** [🔗](#)**017-436966** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: RT; KP, Sensor pocket length min. [mm]: 97, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

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**017-437066** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: RT; KP, Sensor pocket length min. [mm]: 112, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

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**060-003166** [🔗](#)**Switches accessories, Cap**

Type designation: Cap, Used for product: KP single, Packing format: Multi pack, Quantity per packing format: 7

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**060-033066** [🔗](#)**Switches accessories, IP55 Enclosure For KP (Single)**

IP55 Enclosure For KP (Single), Packing format: Multi pack, Quantity per packing format: 30

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Accessories

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**060-062866** [🔗](#)

**Switches accessories, IP55 Transparent Enclosure**

IP55 Transparent Enclosure, Packing format: Multi pack, Quantity per packing format: 30

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**060-105566** [🔗](#)

**Switches accessories, Mounting bracket**

Type: Accessory, Used for product: KP; MP, Mounting bracket, Packing format: Multi pack, Quantity per packing format: 10

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**060-105666** [🔗](#)

**Switches accessories, Mounting bracket**

Type: Accessory, Used for product: KP; MP, Mounting bracket, Packing format: Multi pack, Quantity per packing format: 10

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**060-109766** [🔗](#)

**Switches accessories, Top cover, KP single**

Top cover, Used for product: KP single, Packing format: Multi pack, Quantity per packing format: 10

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