

**060L310166****Thermostat, KPS77**

Temperature range [°C]: 20 - 60, Reset function: Auto, Contact function: SPDT gold, Sensor type: Remote bulb, Capillary tube length [mm]: 2000, Enclosure rating IP: IP67

**PRODUCT DETAILS**

<b>Gross weight</b>	1.242 Kilogram
<b>Net weight</b>	1.088 Kilogram
<b>Volume</b>	3.684 Liter
<b>EAN</b>	5702423147557
<b>Type</b>	KPS77
<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>	70 °C
<b>Ambient temperature range [°C] [min]</b>	-40 °C
<b>Ambient temperature range [°F] [max]</b>	158 °F
<b>Ambient temperature range [°F] [min]</b>	-40 °F
<b>Approval</b>	ABS BV CCC CCS CE DNV EAC GL LLC CDC EURO-TYSK LR LVD NKK RINA RMRS RoHS RoHS China TYSK UL
<b>Armoring</b>	Yes
<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

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## Product Detail | Thermostat, KPS77

## PRODUCT DETAILS

<b>Connection for pocket or hose</b>	M 18 x 1.5
<b>Contact function</b>	SPDT gold
<b>Contact rating</b>	AC15=4 A, 440 V AC1=10 A, 440 V AC3=6 A, 440 V DC13=12 W, 220 V for gold 1...30mA, 5...30V
<b>Contains batteries</b>	No
<b>Diff. @ Min. range setting [K] [max]</b>	14 K
<b>Diff. @ Min. range setting [K] [min]</b>	3 K
<b>Diff. @ Min. range setting[°C] [max]</b>	14 °C
<b>Diff. @ Min. range setting[°C] [min]</b>	3 °C
<b>Differential type</b>	Adjustable
<b>Electrical conn. comments</b>	Metal cable gland
<b>Electrical conn. Male/Female</b>	Female
<b>Electrical connection</b>	Screwed cable entry
<b>Electrical connection size</b>	Pg 13.5
<b>Electrical connection standard</b>	DIN 40430
<b>Electrical spec. standard</b>	EN 60947-5
<b>EN 60947 electrical properties</b>	Insulation: 400V Pollution degree: 3 Rated impulse voltage: 4 kV Short circuit prot, fuse: 16A
<b>EN 60947 wiring properties</b>	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>
<b>Enclosure rating IP</b>	IP67
<b>Equipment</b>	Armored cap. tube
<b>EU RoHS compliance</b>	Out of scope
<b>Max. sensor temperature [°C]</b>	130 °C
<b>Max. sensor temperature [°F]</b>	266 °F
<b>Packing format</b>	Multi pack
<b>Product accessories</b>	Switches accessories
<b>Product description</b>	Thermostat
<b>Quantity per packing format</b>	10 pc
<b>REACH Candidate List substances</b>	Lead (CAS no. 7439-92-1) Cadmium oxide (CAS no.1306-19-0)
<b>Reset function</b>	Auto
<b>SCIP dossier no.</b>	84be8326-1b95-4f87- afb0-90ae08b65f06
<b>Sensor pocket length min. [in]</b>	3 in
<b>Sensor pocket length min. [mm]</b>	75 mm
<b>Sensor size (Ø x L) [in]</b>	1/2 x 2 1/2 in
<b>Sensor size (Ø x L) [mm]</b>	13 x 63 mm
<b>Sensor type</b>	Remote bulb
<b>Serviceable</b>	No
<b>Temperature range [°C] [max]</b>	60 °C
<b>Temperature range [°C] [min]</b>	20 °C
<b>Temperature range [°F] [max]</b>	140 °F
<b>Temperature range [°F] [min]</b>	68 °F
<b>UL approval file name</b>	E73170

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PRODUCT DETAILS

UL evaluated Yes

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

Accessories



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

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



**060L03666** [↗](#)  
**Switches accessories, Seal Kit, For armoured capillary tube**

Type designation: Seal Kit, Used for product comments: For armoured capillary tube, Used for product: KPS; RT; CAS; MBC, Packing format: Multi pack, Quantity per packing format: 10



**060L325466** [↗](#)  
**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 250, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 12



**060L325566** [↗](#)  
**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 330, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 12



**060L326266** [↗](#)  
**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 75, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10



**060L326366** [↗](#)  
**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 160, 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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## Accessories

Image  
coming  
soon**060L326466** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 75, Pressure inlet conn. type: NPT, Pressure inlet conn. size [in]: 1/2-14, Packing format: Multi pack, Quantity per packing format: 10

**060L326666** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 75, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 3/4, Packing format: Multi pack, Quantity per packing format: 10

**060L326766** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 75, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L326966** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 160, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L327066** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 110, Pressure inlet conn. type: NPT, Pressure inlet conn. size [in]: 1/2-14, Packing format: Multi pack, Quantity per packing format: 10

**060L327166** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 110, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L328066** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 110, Pressure inlet conn. type: NPT, Pressure inlet conn. size [in]: 1/2-14, Packing format: Multi pack, Quantity per packing format: 10

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## Accessories

**060L328166** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 75, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L340366** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 110, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 3/4, Packing format: Multi pack, Quantity per packing format: 10

**060L320666** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 200, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L326866** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 110, Pressure inlet conn. type: G, Pressure inlet conn. size [in]: 1/2, Packing format: Multi pack, Quantity per packing format: 10

**060L326566** [🔗](#)**Switches accessories, Sensor pocket**

Type designation: Sensor pocket, Used for product: KPS; RT; CAS; MBC, Sensor pocket length min. [mm]: 65, Pressure inlet conn. type: NPT, Pressure inlet conn. size [in]: 1/2-14, Packing format: Multi pack, Quantity per packing format: 10

**060L327366** [🔗](#)**Switches accessories, Seal Kit, For not arm. capillary tube**

Type designation: Seal Kit, Used for product comments: For not arm. capillary tube, Used for product: KPS; RT; CAS; MBC, Packing format: Multi pack, Quantity per packing format: 10

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