



060L311166

Thermostat, KPS81

Temperature range [°C]: 60 - 150, Reset function: Auto, Contact function: SPDT gold, Sensor type: Remote bulb, Capillary tube length [mm]: 8000, Enclosure rating IP: IP67

PRODUCT DETAILS

Gross weight	1.836 Kilogram
Net weight	1.744 Kilogram
Volume	3.684 Liter
EAN	5702423147656
Amb. Temp. Note	80 °C/176 °F for max 120 min
Ambient temperature range [°C] [max]	70 °C
Ambient temperature range [°C] [min]	-40 °C
Ambient temperature range [°F] [max]	158 °F
Ambient temperature range [°F] [min]	-40 °F
Approval	ABS BV CCC CCS CE DNV EAC GL LLC CDC EURO-TYSK LR LVD NKK RINA RMRS RoHS RoHS China TYSK UL
Armoring	Yes
Cap. tube length fraction [in]	315 in
Capillary tube length [mm]	8000 mm
CE evaluated	Yes
Charge type	Adsorption
China RoHS compliance	Yes
Connection for pocket or hose	M 18 x 1.5
Contact function	SPDT gold
Contact rating	AC15=4 A, 440 V

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PRODUCT DETAILS

	AC1=10 A, 440 V AC3=6 A, 440 V DC13=12 W, 220 V for gold 1...30mA, 5...30V
Contain batteries	No
Diff. @ Min. range setting [K] [max]	25 K
Diff. @ Min. range setting [K] [min]	5 K
Diff. @ Min. range setting[°C] [max]	25 °C
Diff. @ Min. range setting[°C] [min]	5 °C
Differential type	Adjustable
Electrical conn. comments	Metal cable gland
Electrical conn. Male/Female	Female
Electrical connection	Screwed cable entry
Electrical connection size	Pg 13.5
Electrical connection standard	DIN 40430
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 ² Flex, no ferrules: 0.7-2.5 mm ² Solid/stranded: 0.75-2.5 mm ²
Enclosure rating IP	IP67
Equipment	Armored cap. tube
EU RoHS compliance	Out of scope
Max. sensor temperature [°C]	250 °C
Max. sensor temperature [°F]	482 °F
Packing format	Multi pack
Product accessories	Switches accessories
Product description	Thermostat
Product group	Switches and thermostats
Product Name Description	Thermostat
Quantity per packing format	10 pc
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Reset function	Auto
SCIP dossier no.	84be8326-1b95-4f87- afb0-90ae08b65f06
Sensor pocket length min. [in]	4 3/8 in
Sensor pocket length min. [mm]	110 mm
Sensor size (Ø x L) [in]	1/2 x 3 1/2 in
Sensor size (Ø x L) [mm]	13 x 90 mm
Sensor type	Remote bulb
Serviceable	No
Temperature range [°C] [max]	150 °C
Temperature range [°C] [min]	60 °C
Temperature range [°F] [max]	302 °F
Temperature range [°F] [min]	140 °F
Type	KPS81
UK RoHS compliance	Out of scope
UL approval file name	E73170

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 Ass'y

Clamping Band Ass'y, Packing format: Multi pack, Quantity per packing format: 10



060L036666 [↗](#)

Switches accessories, Gasket For Sensor Pocket

Gasket For Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L326966 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L327066 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L328066 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L340366 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L320666 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 10



060L325466 [↗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 12

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Accessories



060L325566 [🔗](#)

Switches accessories, Sensor Pocket

Sensor Pocket, Packing format: Multi pack, Quantity per packing format: 12



060L326366 [🔗](#)

Switches accessories, Sensor Pocket KP/RT 160mm G½"

Sensor Pocket KP/RT 160mm G½", Packing format: Multi pack, Quantity per packing format: 10



060L326866 [🔗](#)

Switches accessories, Sensor Pocket CAS/KPS 110mm G½"

Sensor Pocket CAS/KPS 110mm G½", Packing format: Multi pack, Quantity per packing format: 10



060L327166 [🔗](#)

Switches accessories, Sensor Pocket CAS/KPS 110mm G½"

Sensor Pocket CAS/KPS 110mm G½", Packing format: Multi pack, Quantity per packing format: 10

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