

*Danfoss*

**KP 33  
Series  
Pressure  
Switch**



## Danfoss KP 33 Series Pressure Switch Installation Guide

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*Danfoss*

### Danfoss KP 33 Series Pressure Switch



## **Specifications:**

- Model Numbers: KP 33, KP 34, KP 35, KP 36, KP 37
- Pressure Range: KP 33: 10 bar, KP 34: 6 bar, KP 35: 22 bar (19 bar variant), KP 36: 22 bar, KP 37: 32 bar
- Electrical Rating: AC 1: 16 A, AC 3: 16 A, AC 15: 10 A at 400 V; DC 13: 12 W at 220 V

## **Product Usage Instructions**

### **Installation:**

1. Ensure the mounting panel is flat to prevent damage to the switch.
2. Disconnect power supply before making wiring connections to avoid electrical shock.

### **Maintenance:**

No maintenance is required for the switches after final installation.

### **Setting Pressure:**

1. Use an additional pressure gauge for an accurate setting.
2. The scale in KP units is indicative only.

### **Electrical Connections:**

1. Use copper wire only for electrical connections.
2. Tighten torque to 20 lb. in for secure connections.

### **Contact System:**

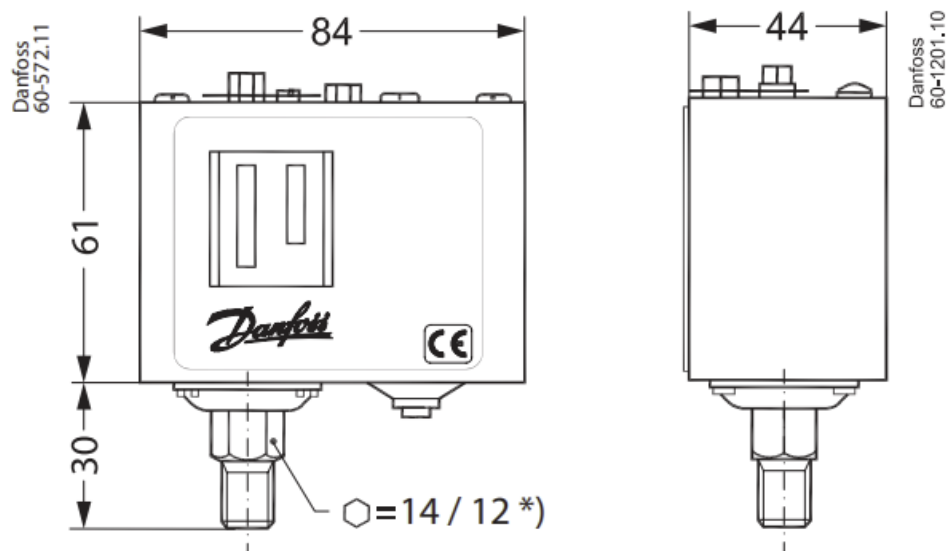
- Contact system with standard AG contacts.
- Single pole changeover switch (SPDT).

## **Installation guide**

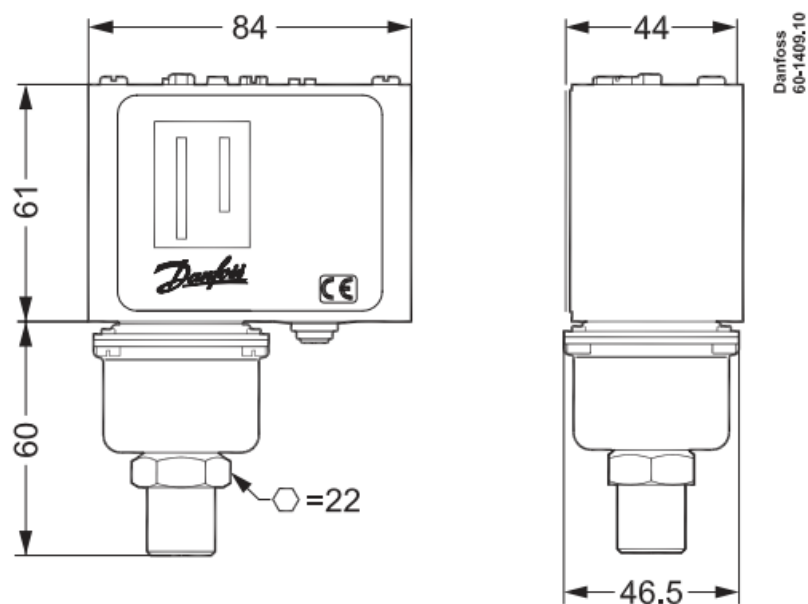
### **Pressure switch**

**KP 33, KP 34, KP 35, KP 36 and KP 37**

## KP 35, KP 36, KP 37



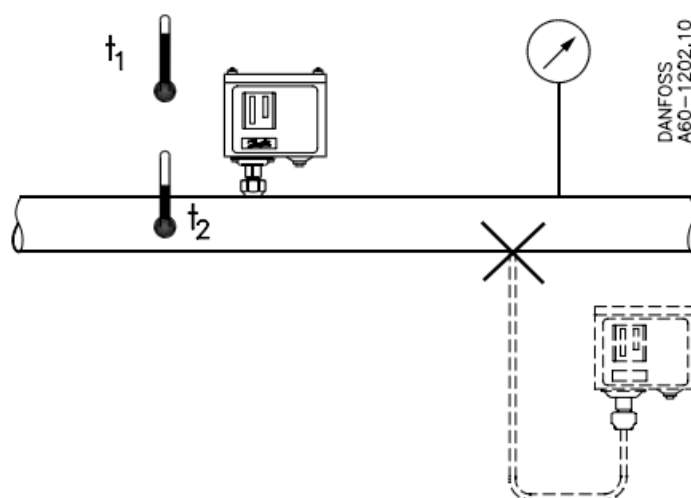
\*) KP 35 (060-604891)  
**KP 33, KP 34**



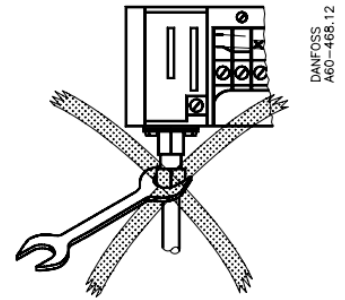
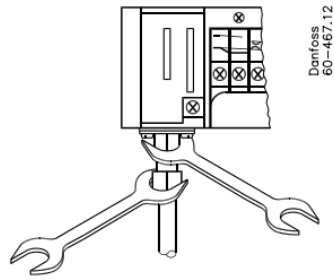
## KP 33, KP 34, KP 35, KP 36, KP 37

$t_1$  min.  $-40\text{ }^{\circ}\text{C}$   
 $t_1$  max.  $65\text{ }^{\circ}\text{C}$

$t_2$  min.  $-40\text{ }^{\circ}\text{C}$   
 $t_2$  max.  $100\text{ }^{\circ}\text{C}$

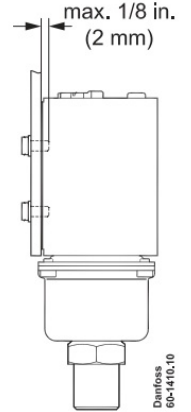
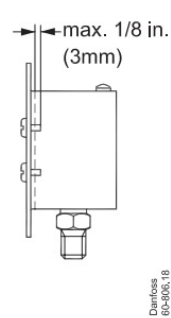
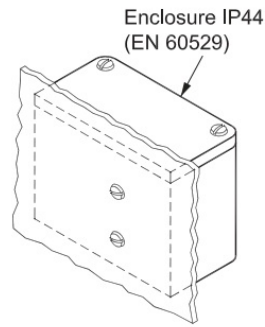
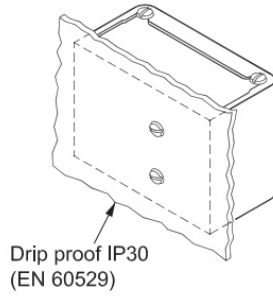
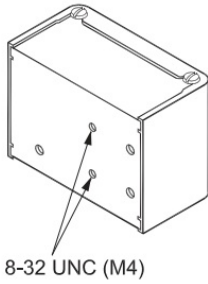


No maintenance is required for the switches after final installation.



**KP 35, KP 36, KP 37**

**KP 33, KP 34**



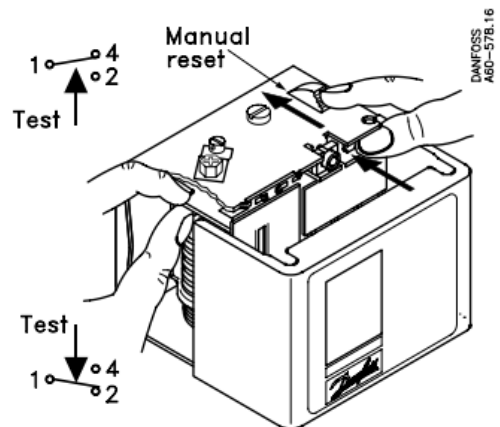
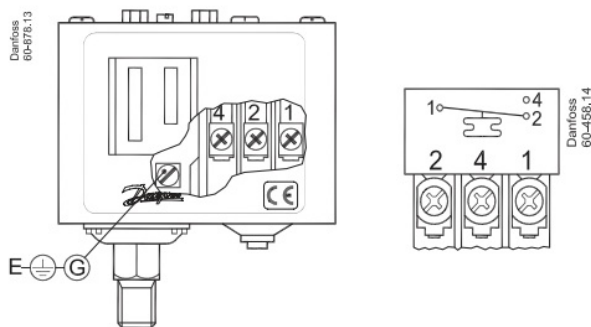
• **CAUTION:**

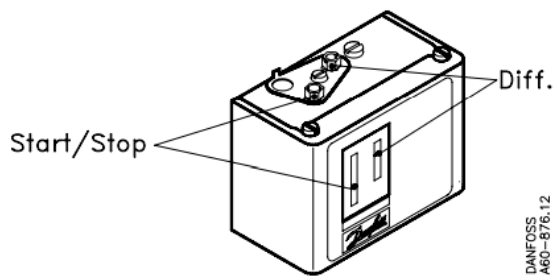
- The mounting panel must be plane to avoid damage of switch.

**CAUTION:**

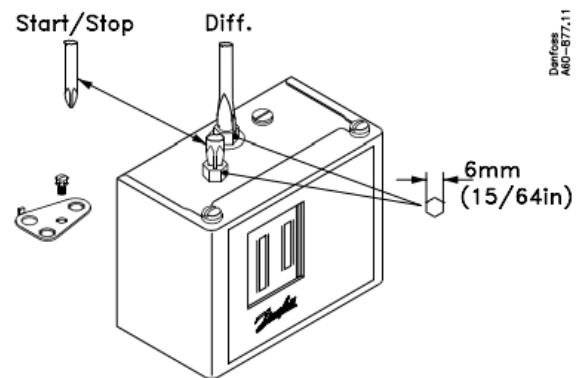
Disconnect power supply before wiring connections are made or service to avoid possible electrical shock or damage to equipment.

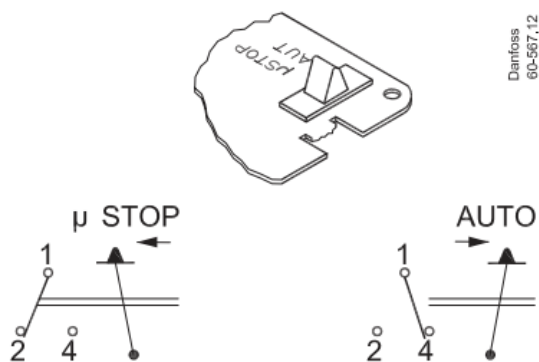
Do never touch live parts with your fingers or with any tool.





**Please note:** scale in KP units is indicative only. For accurate setting or when using according to FM approval use additional pressure gauge to set the unit.





KP 36	060-548766
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### Electrical rating – General

LR 112A	AC 1: 16 A	400 V	DC 13
	AC 3: 16 A		12 W
	AC 15: 10 A		220 V

When used acc. to UL or FM regulations

Voltage		FL	LR	Resist.	Pilot
AC	DC	A	A	load	duty
240	–	8	48	8 A	3 A
120	–	16	96	16 A	
–	240	–	–	–	12 W

Use copper wire only  
Tightening torque 20 lb. in.

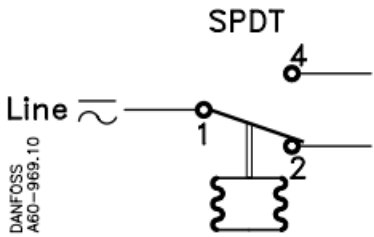
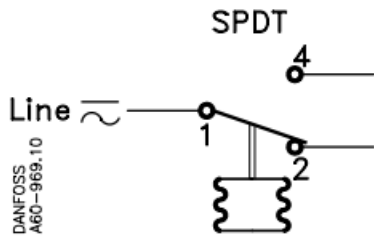
DC 13  
12 W  
220 V

Contact system with standard AG contacts  
. Single pole changeover switch (SPDT).

Contact system with gold contacts.

Single pole changeover switch (SPDT): **1 – 30 mA, 5 – 30 V DC**

Contact load when Au surface is burned away:

<p><b>Alternating current:</b></p> <p>AC-1: 16 A, 400 V</p> <p>AC-3: 16 A, 400 V</p>  <p>10 A, 400 V</p>		<p><b>Alternating current:</b></p> <p>AC-1: 10 A, 400 V</p> <p>AC-3: 6 A, 400 V</p>  <p>AC-15: 4 A, 400 V</p>
<p><b>Direct current:</b></p> <p>DC-13: 12 W, 220 V</p>	—	<p><b>Direct current:</b></p> <p>DC-13: 12 W, 220 V</p>

FAQs

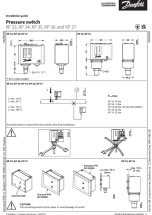
Q: Is maintenance required for the pressure switches?

A: No, maintenance is not required after final installation.

Q: What is the maximum pressure each switch can handle?

A: KP 33: 10 bar, KP 34: 6 bar, KP 35: 22 bar (19 bar variant), KP 36: 22 bar, KP 37: 32 bar.

Documents / Resources

	<p><a href="#">Danfoss KP 33 Series Pressure Switch</a> [pdf] Installation Guide</p> <p>KP 33, KP 34, KP 35, KP 36, KP 37, KP 33 Series Pressure Switch, KP 33 Series, Pressure Switch</p>
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References

- [User Manual](#)

Manuals+, Privacy Policy

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