



Danfoss KP 33 Pressure Switch Installation Guide

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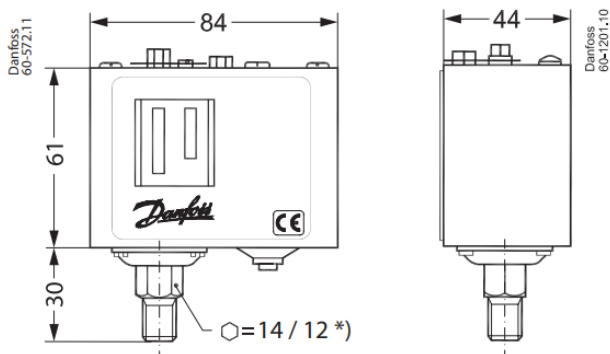


Danfoss KP 33 Pressure Switch

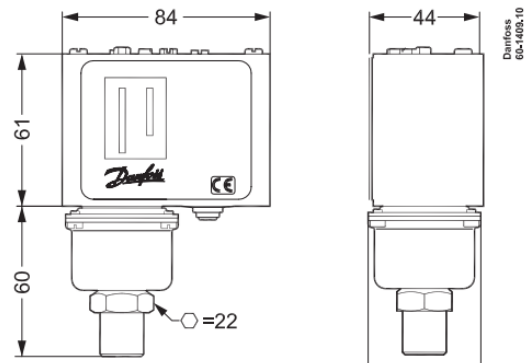


DIMENSION

KP 35, KP 36, KP 37



KP 33, KP 34

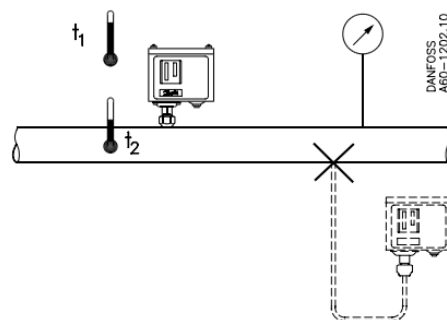


TECHNICAL SAFETY

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. $100\text{ }^{\circ}\text{C}$



P_{test max.}

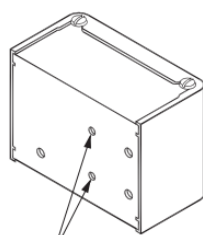
KP 33: 10 bar
 KP 34: 6 bar
 KP 35: 22 bar (19 bar 060-604891)
 KP 36: 22 bar
 KP 37: 32 bar

No maintenance is required for the switches after final installation.

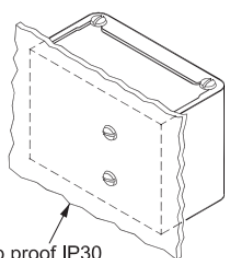
CAUTIONS

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

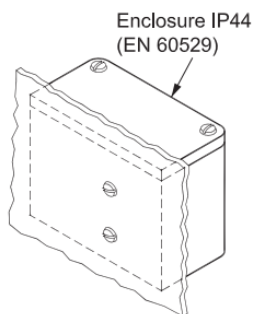
KP 35, KP 36, KP 37



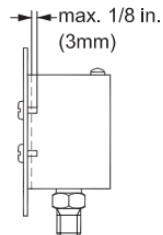
8-32 UNC (M4)



Drip proof IP30
(EN 60529)



Enclosure IP44
(EN 60529)

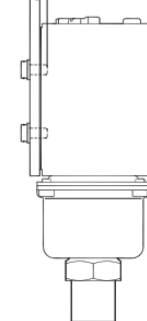


max. 1/8 in.
(3mm)

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60-466.16

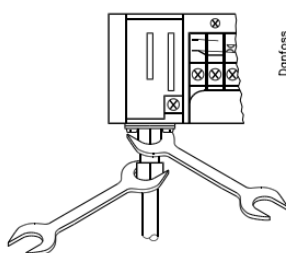
KP 33, KP 34

max. 1/8 in.
(2 mm)

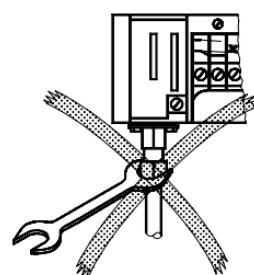


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60-1410.10

INSTALLATION INSTRUCTIONS

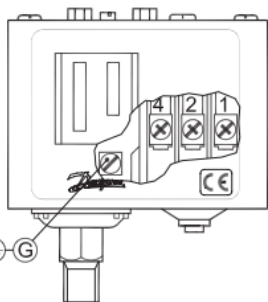


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60-467.12

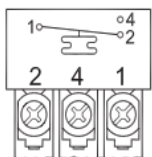


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60-468.12

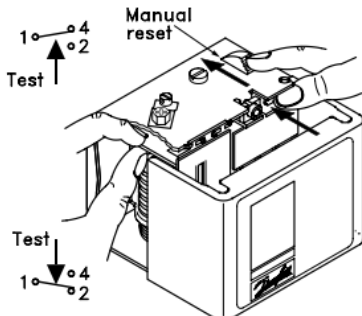
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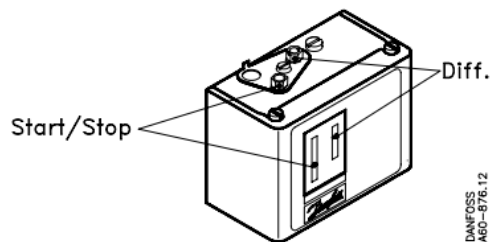
E G



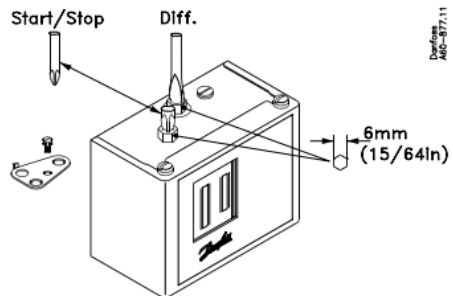
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60-458.14



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60-516.16



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60-876.12



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60-877.11

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.

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600-607.12

KP 36

060-548766

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

UL US LISTED		Listed refrigeration controller 61B5			
Voltage	FL	LR	Resist. load	Pilot duty	
AC	DC	A	A		
240	–	8	48	8 A	3 A
120	–	16	96	16 A	
–	240	–	–	–	12 W

Use copper wire only
Tightening torque 20 lb. in.

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

Alternating current:

AC-1: 16 A, 400 V
AC-3: 16 A, 400 V
AC-15: 10 A, 400 V

Direct current:

DC-13: 12 W, 220 V

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A60-568.10

Contact system with gold contacts.
Single pole changeover switch (SPDT): **1 – 30 mA, 5 – 30 V DC**

Contact load when Au surface isburned away:

Alternating current:

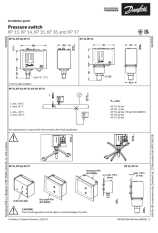
AC-1: 10 A, 400 V
AC-3: 6 A, 400 V
AC-15: 4 A, 400 V

Direct current:

DC-13: 12 W, 220 V

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Documents / Resources

	Danfoss KP 33 Pressure Switch [pdf] Installation Guide KP 33, KP 34, KP 35, KP 36, KP 37, KP 33 Pressure Switch, KP 33, Pressure Switch, Switch
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