

### Data sheet

# **Pressure switch, Differential pressure switch** RT



An RT pressure switch contains a pressure operated single-pole changeover contact, the position of which depends on the pressure in the inlet connection and the set scale value. The RT series includes pressure switches for general applications within industrial and marine refrigeration.

The RT series also includes differential pressure switches, pressure switches for neutral zone regulation, and special pressure switches with gold-plated contact surfaces for PLC applications.

#### Features

- Versions with enclosure IP66
- Wide regulating range
- Wide range of units for industrial and marine applications
- Suitable for alternating and direct current (AC and DC)
- Interchangeable contact system
- Special versions for PLC applications
- Safety Integrity Level: SIL 2 according to IEC 61508

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#### Data sheet | Pressure switch, Differential pressure switch, type RT

## Ordering

(continued)

Pressure switches with adjustable neutral zone for

R22, R134a, R404A, R407A, R407C, R407F, R507A, R717 \*)

For complete list of approved refrigerants, visit www.products.danfoss.com and search for individual code numbers, where refrigerants are listed as part of technical data.

	Туре	Regulation range	Differential ∆p	Adjustable neutral zone NZ Δp	Max. working Pressure PS	Max. test pressure P <sub>e</sub>	Code no.	
							Connection	
Pressure							Cutting ring	G 3/8 A <sup>1</sup> ) + weld nipple
		[bar]	[bar]	[bar]	[bar]	[bar]	ø6 mm	ø6.5/10 mm
Low	RT 1AL	-0.8 – 5	0.2	0.2 – 0.9	22	25	017L001666	017L003366
	RT 200L	0.2 – 6	0.25	0.25 – 0.7	22	25	-	017L003266 <sup>2</sup> )
Hiah	RT 5AL	4 – 17	0.35	0.35 – 1.4	22	25	017L001766 <sup>2</sup> )	017L004066
	RT 117L	10 – 30	1.0	1 – 3.0	42	47	-	017L004266 <sup>2</sup> )
<sup>1</sup> ) BSP ext. thread, ISO 228-1.				1	<sup>2</sup> ) Without nip	ple.		

<sup>1</sup>) BSP ext. thread, ISO 228-1.

\*) Only for RT 1AL, RT 5AL.

Differential pressure switches for

R22, R134a, R404A, R407A, R407C, R407F, R422B, R422D, R507A, R717 For complete list of approved refrigerants, visit www.products.danfoss.com and search for individual code numbers, where refrigerants are listed as part of technical data.

		Differential Δp	Operating range for LP bellows	Max. working Pressure PS	Max.	Code no.	
	Regulation				test pressure P <sub>e</sub>	Connection	
Туре	range					Cutting ring	G 3/8 A <sup>1</sup> ) + weld nipple
	[bar]	[bar]	[bar]	[bar]	[bar]	ø6 mm	ø6.5/10 mm
RT 260A	0.5 – 4	0.3	-1 – 18	22	25	017D001466	017D002166
	0.5 – 4	0.3	-1 – 18	22	25	-	017D002266 <sup>2</sup> )
	0.5 – 6	0.5	-1 – 36	42	47	017D001566	017D002366
	1.5 – 11	0.5	-1 – 31	42	47	017D001666	017D002466
RT 262A	0.1 – 1.5	0.1	-1 – 9	11	13	017D001366	017D002566
RT 265A 3)	1 – 6	0.5	-1 – 36	42	47	-	017D007266

<sup>1</sup>) BSP ext thread, ISO 228-1. <sup>2</sup>) Man. (Max.) reset.

<sup>3</sup>) Filter monitor: Alarm  $\Delta p = 0.8$  bar, cut-out  $\Delta p = 1$  bar (factory setting).

Differential pressure switches with adjustable neutral zone for R22, R134a, R404A, R407A, R407C, R407F, R422B, R422D, R507A, R717 For complete list of approved refrigerants, visit www.products.danfoss.com and search for individual code numbers, where refrigerants are listed as part of technical data.

	Regulation range	Differential ∆p	Adjustable neutral zone NZ	Operating range for LP bellows	Max. working pressure PS	Max. test pressure P	Code no.
Туре							Connection
							G 3/8 A <sup>1</sup> )
	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	+ weld nipple ø6.5/10 mm
RT 262 AL	0.1 – 1.5	0.1	0.1 – 0.33	-1 – 9	11	13	017D004366

<sup>1</sup>) BSP ext thread, ISO 228-1.

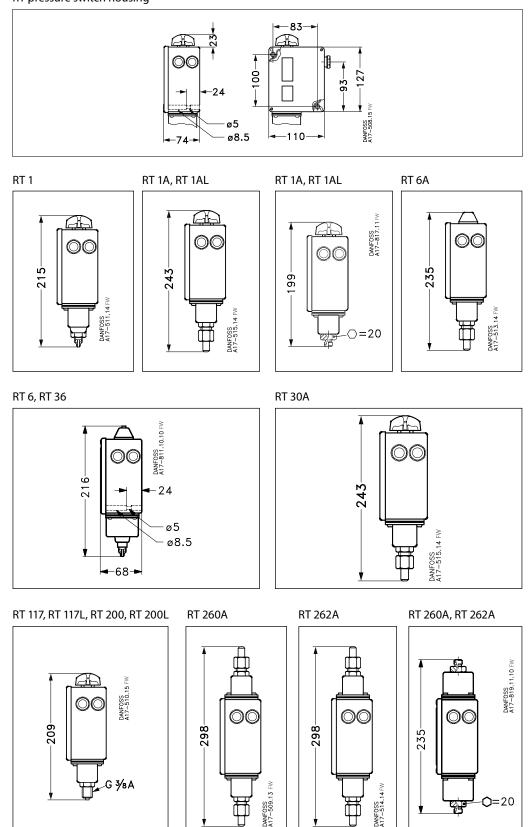






#### Dimensions [mm] and weight [kg]

RT pressure switch housing



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Net weight approx. 1 kg