motralec Danfoss ACCPBT temperature sensors
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Data Sheet

ACCPBT temperature sensors



The ACCPBT sensors can be used for surface mounting or insertable temperature monitoring in conjunction with Danfoss controllers in the following applications:

- Residential HVAC
- Commercial HVAC
- Commercial refrigeration
- Food retail refrigeration
- Transport refrigeration
- HACCP applications
- Industrial refrigeration

The ACCPBT sensors comes adjusted and complies with tolerance requirements according to EN 60751, class B for the Pt1000 elements and the NTC elements has 1% Beta value tolerance.

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Features

Table 1: Product features

ACCPBT code	Sensor element	Temperature range	Cable length	Cable type	IP - class
080G0202	NTC 10K 1% BETA 3435	-50 to +110°C	3.0 m	Black thermoplastic elastomer	68
080G0205			1.5 m		
080G0206			3.0 m		
080G0207			6.0 m		
080G0209	PT1000, class B	-50 to +110°C	1.5 m	Blue thermoplastic elastomer	68
080G0210			6.0 m		
080G0212	NTC 100 k 1% BETA 4240	-50 to +200°C	1.5 m	Blue silicone rubber	67

Table 2: Sensor cap diameter Ø6 mm

Type	Cable	Sensor cap length	Code no.	Packing Qty.
ACCPBT NTC 10K Black elastomer cable	3.0 m	20 mm	080G0202	10
	1.5 m	40 mm	080G0205	
	3.0 m		080G0206	
	6.0 m		080G0207	
ACCPBT Pt1000 Blue elastomer cable	1.5 m	40 mm	080G0209	10
	3.5 m		080G0210	
ACCPBT NTC 100K Blue silicone rubber cable	1.5 m	40 mm	080G0212	10

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Product specification

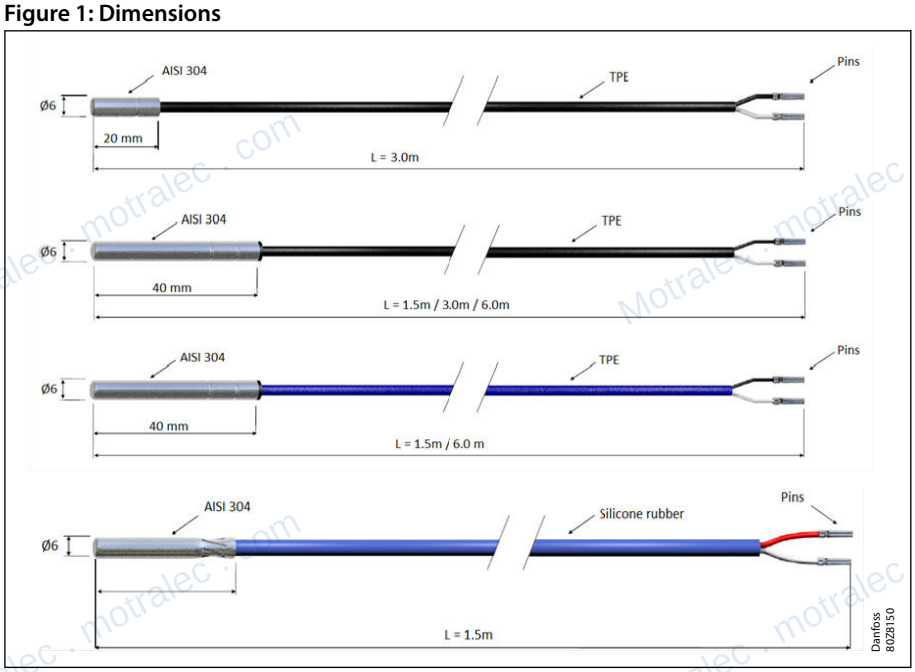
Technical Data

Table 3: Technical data

ACCPBT code number	080G0209 & 080G2010	080G02-02, 05, 06, 07	080G0212
Nominal resistance	1000 ohm at 0 °C	10K ohm at 25 °C	100K ohm at 25 °C
Measuring accuracy	Class B, EN 60751	BETA 3435, 1%	BETA 4240, 1%
Temperature range	-50 – 110 °C	-50 – 110 °C	-50 – 200 °C
Cable material	TPE: 2 x 0.25 mm² ,Ø3.3 mm	TPE: 2 x 0.25 mm² ,Ø3.3 mm	Silicone: 2 x 0.25 mm² , Ø4,6 mm
Sensor cap Ø6	AISI 304	AISI 304	AISI 304
Enclosure	IP68	IP68	IP67

Dimensions

Figure 1: Dimensions



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Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at danfoss.com or contact your local Danfoss representative if you have any questions.

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