

CERTIFICATE

(1) EU-Type Examination

(2) Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **DEKRA 22ATEX0051 X** Issue Number: **0**

(4) Product: **Pressure Transmitters types Cerabar PMP51B, PMC51B, PMP71B and PMC71B and Differential Pressure Transmitters types Deltabar PMD55B, PMD75B and PMD78B**

(5) Manufacturer: **Endress+Hauser SE+Co. KG**

(6) Address: **Hauptstraße 1, 79689 Maulburg, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR22.0037/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018
EN 60079-26 : 2015

EN 60079-1 : 2014
EN 60079-31 : 2014

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex db IIC T6...T1 Gb
II 1/2 G Ex db ia IIC T6...T1 Ga/Gb or Gb
II 1/2 D Ex ta/tb IIIC T₂₀₀ xxx °C Da/Db
II 2 D Ex tb IIIC T_L xxx °C Db

Date of certification: 13 September 2022

DEKRA Certification B.V.

R. Schuller
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 22ATEX0037 X**

Issue No. **0**

(15) **Description**

Pressure Transmitters types Cerabar PMP51B, PMC51B, PMP71B, PMC71B and Differential Pressure Transmitters types Deltabar PMD55B, PMD75B and PMD78B for use in explosive atmospheres caused by the presence of combustible gases, fluids, vapours or dusts, are used to convert an over-, under- or differential pressure into a 4-20 mA or Profinet APL or Profibus PA or Foundation Fieldbus output signal.

The enclosure is either a single electronics compartment version made of aluminium or a dual compartment version made of aluminium or stainless steel, providing a separate electronics and a terminal compartment. The stainless steel pressure sensor is directly fitted to the enclosure.

Optionally the electronics compartment can be equipped with a display module with or without Bluetooth in combination with a windowed cover.

The degree of protection of the equipment is IP64 in accordance with EN IEC 60079-0.

The degree of protection of the equipment is IP66/IP68 (1.83 m during 24 h) in accordance with EN IEC 60529.

For the Type designation, Thermal data and Electrical data refer to Annex 1 to Report No. NL/DEK/ExTR22.0037/00.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR22.0037/00.

(17) **Specific conditions of use**

- For maximum surface temperature, ambient temperature range and maximum process temperatures see Annex 1 to Report No. NL/DEK/ExTR22.0037/00 and safety instructions.
- The flameproof joints are not intended to be repaired.
- The Pressure Transmitters shall be installed and maintained such that hazards caused by electrostatic discharge are excluded.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR22.0037/00.

(20) **Certificate history**

Issue 0 - 226682600 initial certificate

Type designation

PMP71B-aa bb c d e f g h ii k ll mmm n o + pp qq rr ss tt uu vv ww xx yy zz aa ββ γγ		
aa=10		Approval:
	*F	ATEX/IEC II 2G Ex db IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIIC Da/Db, Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIIC Dc
	*N	ATEX/IEC II 1/2G,2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ta/tb IIIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment L-shape; Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68,NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
f to yy		Not relevant for the type of protection

PMC51B-aa b c d e f gg h ii kkk l + mm nn oo pp qq rr ss tt uu vv ww xx		
aa=10		Approval:
	*C	ATEX/IEC II 1/2G Ex db [ia] IIC T6 Ga/Gb
	*F	ATEX/IEC II 2G Ex db ia IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIIC Da/Db Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIIC Dc
	*O	ATEX/IEC II 1/2G,2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ia IIIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment, L-shape, Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68,NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element; changes not relevant for explosion protection
f to xx		Not relevant for the type of protection

PMC71B-aa bb c d e f g hh i kk ll m + nn oo pp qq rr ss tt uu vv ww xx yy zz		
aa=10		Approval:
	*C	ATEX/IEC II 1/2G Ex db [ia] IIC T6 Ga/Gb
	*F	ATEX/IEC II 2G Ex db ia IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIC Da/Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIC Dc
	*O	ATEX/IEC II 1/2G, 2G Ex ia IIC T6 Ga/Gb, II 2G Ex db ia IIC T6 Gb, II 1/2D, 2D Ex ia IIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment, L-shape, Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68, NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
F to zz		Not relevant for the type of protection

PMD55B-aa bb c d e f gg h i kkk ll m n + oo pp qq rr ss tt uu vv ww xx yy zz aa		
aa=10		Approval:
	*F	ATEX/IEC II 2G Ex db IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIC Da/Db, Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIC Dc
	*N	ATEX/IEC II 1/2G, 2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ta/tb IIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment, L-shape, Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	C	Gland M20, 316L, IP66/68, NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
f to aa		Not relevant for the type of protection

PMD75B-aa bb c d e f gg h i kkk ll m n + oo pp qq rr ss tt uu vv ww xx yy zz aa ββ γγ		
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aa=10		Approval:
	*F	ATEX/IEC II 2G Ex db IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIIC Da/Db, Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIIC Dc
	*N	ATEX/IEC II 1/2G,2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ta/tb IIIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment L-shape; Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68,NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
f to yy		Not relevant for the type of protection

PMD78B- aa bb c d e f gg h i kkk ll mmm nnn o p q + rr ss tt uu vv ww xx yy zz aa ββ γγ δδ εε		
aa=10		Approval:
	*F	ATEX/IEC II 2G Ex db IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIIC Da/Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIIC Dc
	*N	ATEX/IEC II 1/2G,2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ta/tb IIIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment L-shape; Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68,NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
f to εε		Not relevant for the type of protection

PMP51B-aa bb c d e f g h ii k ll mmm n o + pp qq rr ss tt uu vv ww xx yy zz aa ββ		
aa=10		Approval:
	*F	ATEX/IEC II 2G Ex db IIC T6 Gb
	*G	ATEX/IEC II 1/2D, 2D Ex ta/tb IIIC Da/Db
	*L	ATEX/IEC II 3G Ex ec IIC T6 Gc, II 3D Ex tc IIIC Dc
	*N	ATEX/IEC II 1/2G,2G Ex ia IIC T6 Ga/Gb, II 2G Ex db IIC T6 Gb, II 1/2D, 2D Ex ta/tb IIIC Da/Db
bb=20		Output:
	AA	2-wire 4-20mA
	BA	2-wire 4-20mA HART
	DA	Profibus PA
	FA	2-wire, PROFINET (APL)
c=30		Not relevant for the type of protection
d=40		Housing; Material:
	B	Single compartment; Alu, coated
	J	Dual compartment; Alu, coated
	K	Dual compartment; 316L
	M	Dual compartment L-shape; Alu, coated
	N	Dual compartment L-shape; 316L
	Y	Modification of one of the above mentioned options: customer specific color or painting; changes not relevant for explosion protection
e=50		Electrical Connection:
	B	Gland M20, brass nickel plated, IP66/68 NEMA Type 4X/6P
	C	Gland M20, 316L, IP66/68,NEMA Type 4X/6P
	F	Thread M20, IP66/68 NEMA Type 4X/6P
	G	Thread G1/2, IP66/68 NEMA Type 4X/6P
	H	Thread NPT1/2, IP66/68 NEMA Type 4X/6P
	S	*Cable 5m, IP66/68 NEMA Type 4X/6P, atmospheric pressure compensation via cable
	Y	Modification of one of the above mentioned options: Assembled with third party certified cable gland or blanking element, other cable length; changes not relevant for explosion protection
f to ββ		Not relevant for the type of protection

Thermal data for EPL Ga/Gb and Gb

Marking for Cerabar type PMP51B, PMP71B - Ex db IIC T6...T1 Gb

Model	Type	Process connection type	Temperature class	Process temperature range T_p ¹⁾	Ambient temperature range ¹⁾
Cerabar	PMP51B PMP71B	compact	T6	$-50\text{ °C} \leq T_p \leq 80\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
			T4...T1	$-50\text{ °C} \leq T_p \leq 100\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
				$-50\text{ °C} \leq T_p \leq 125\text{ °C}$	$-50\text{ °C} \leq T_a \leq +50\text{ °C}$
		temperature decoupling	T6	$-50\text{ °C} \leq T_p \leq 80\text{ °C}$	$-50\text{ °C} \leq T_a \leq +65\text{ °C}$
			T4	$-50\text{ °C} \leq T_p \leq 125\text{ °C}$	$-50\text{ °C} \leq T_a \leq +70\text{ °C}$
			T3	$-50\text{ °C} \leq T_p \leq 190\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
			T2	$-50\text{ °C} \leq T_p \leq 290\text{ °C}$	$-50\text{ °C} \leq T_a \leq +55\text{ °C}$
			T1	$-50\text{ °C} \leq T_p \leq 400\text{ °C}$	$-50\text{ °C} \leq T_a \leq +50\text{ °C}$
		capillary remote	T6	$-50\text{ °C} \leq T_p \leq 80\text{ °C}$	$-50\text{ °C} \leq T_a \leq +70\text{ °C}$
			T4	$-50\text{ °C} \leq T_p \leq 125\text{ °C}$	
			T3	$-50\text{ °C} \leq T_p \leq 190\text{ °C}$	
			T2	$-50\text{ °C} \leq T_p \leq 290\text{ °C}$	
			T1	$-50\text{ °C} \leq T_p \leq 400\text{ °C}$	

¹⁾ for versions without window cover lower ambient temperature decreases to -60 °C (ordercode option 580 = "JT")

Marking for Deltabar type PMD55B, PMD75B, PMD78B - Ex db IIC T6...T1 Gb

Model	Type	Process connection type	Temperature class	Process temperature range T_p ¹⁾	Ambient temperature range ¹⁾
Deltabar	PMD55B PMD75B	compact	T6	$-50\text{ °C} \leq T_p \leq 80\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
			T4...T1	$-50\text{ °C} \leq T_p \leq 85\text{ °C}$	$-50\text{ °C} \leq T_a \leq +65\text{ °C}$
				$-50\text{ °C} \leq T_p \leq 100\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
	PMD78B	temperature decoupling capillary remote	T6	$-50\text{ °C} \leq T_p \leq 80\text{ °C}$	$-50\text{ °C} \leq T_a \leq +60\text{ °C}$
			T4	$-50\text{ °C} \leq T_p \leq 125\text{ °C}$	$-50\text{ °C} \leq T_a \leq +70\text{ °C}$
			T3	$-50\text{ °C} \leq T_p \leq 190\text{ °C}$	$-50\text{ °C} \leq T_a \leq +70\text{ °C}$
			T2	$-50\text{ °C} \leq T_p \leq 290\text{ °C}$	
			T1	$-50\text{ °C} \leq T_p \leq 400\text{ °C}$	

¹⁾ for versions without window cover lower ambient temperature decreases to -60 °C (ordercode option 580 = "JT") ;

Marking for Cerabar type PMC51B, PMC71B - Ex db ia IIC T6...T1 Ga/Gb or Ex db ia IIC T6...T1 Gb

Model	Type	Process connection type	Temperature class	Process temperature range T_p	Ambient temperature range
Cerabar	PMC51B PMC71B	compact sensor	T6	$-40\text{ °C} \leq T_p \leq 80\text{ °C}$	$-40\text{ °C} \leq T_a \leq +55\text{ °C}$
			T4	$-40\text{ °C} \leq T_p \leq 100\text{ °C}$	$-40\text{ °C} \leq T_a \leq +50\text{ °C}$
			T4...T1	$-40\text{ °C} \leq T_p \leq 125\text{ °C}$	$-40\text{ °C} \leq T_a \leq +40\text{ °C}$
		High temperature version	T6	$-40\text{ °C} \leq T_p \leq 80\text{ °C}$	$-40\text{ °C} \leq T_a \leq +55\text{ °C}$
			T4	$-40\text{ °C} \leq T_p \leq 125\text{ °C}$	$-40\text{ °C} \leq T_a \leq +50\text{ °C}$
			T3...T1	$-40\text{ °C} \leq T_p \leq 150\text{ °C}$	$-40\text{ °C} \leq T_a \leq +40\text{ °C}$

Thermal data for EPL Da/Db and Dc

Marking for Cerabar type PMP51B, PMP71B -

Ex ta/tb IIIC T₂₀₀ 125°C Da/Db, Ex tb IIIC T_L 125°C Db, Ex tc IIIC T 125°C Dc

Model	Type	Process connection type	maximum surface temperature	Process temperature range Tp ²⁾	Ambient temperature range ^{1) 2)}
			EPL Da and EPL Db part		
Cerabar	PMP51B PMP71B	compact	T125 °C	-40 °C ≤ Tp ≤ 125 °C	-40 °C ≤ Ta ≤ +65 °C
		temperature decoupled, capillary remote		-40 °C ≤ Tp ≤ 400 °C	-40 °C ≤ Ta ≤ +70 °C

¹⁾ for housing HS27, HS37 an ambient temperature decrease of 5K must be considered

²⁾ the lower ambient and process temperature decreases to -50 °C (ordercode option 580 = "JL")

Marking for Cerabar type PMC51B, PMC71B -

Ex ta/tb IIIC T₂₀₀ 125°C Da/Db, Ex tb IIIC T_L 125°C Db, Ex tc IIIC T 125°C Dc or

Ex ta/tb IIIC T₂₀₀ 150°C Da/Db, Ex tb IIIC T_L 150°C Db, Ex tc IIIC T 150°C Dc

Model	Type	Process connection type	maximum surface temperature	Process temperature range Tp	Ambient temperature range ¹⁾
			EPL Da and EPL Db part		
Cerabar	PMC51B PMC71B	compact	T125 °C	-40 °C ≤ Tp ≤ 125 °C	-40 °C ≤ Ta ≤ +65 °C
		high temperature	T150 °C	-40 °C ≤ Tp ≤ 150 °C	-40 °C ≤ Ta ≤ +65 °C

¹⁾ for housing HS27 an ambient temperature decrease of 5K must be considered

Marking for Deltabar type PMD55B, PMD75B, PMD78B -

Ex ta/tb IIIC T₂₀₀ 100°C Da/Db, Ex tb IIIC T_L 100°C Db, Ex tc IIIC T 100°C Dc

Model	Type	Process connection type	maximum surface temperature	Process temperature range Tp ²⁾	Ambient temperature range ^{1) 2)}
			EPL Da and EPL Db part		
Deltabar	PMD55B PMD75B	compact	T100 °C	-40 °C ≤ Tp ≤ 100 °C	-40 °C ≤ Ta ≤ +65 °C
	PMD78B	T decoupled, capillary remote	T100 °C	-40 °C ≤ Tp ≤ 400 °C	-40 °C ≤ Ta ≤ +70 °C

¹⁾ for housing HS27 an ambient temperature decrease of 5K must be considered

²⁾ the lower ambient and process temperature decreases to -50 °C (ordercode option 580 = "JL")

Electrical data

Supply: max. 35 VDC, 1 W, Um = 250 V (only relevant for Ex db ia versions)

Output: 2-wire 4-20 mA or 2-wire 4-20 mA HART

Supply: max. 32 VDC, 0.7 W, Um = 250 V (only relevant for Ex db ia versions)

Output: 2-wire Profibus PA or Foundation Fieldbus

Supply: max. 15 VDC, 0.7 W, Um = 250 V (only relevant for Ex db ia versions)

Output: 2-wire Profinet APL