Safety Instructions Proline Promag 300

INMETRO: Zone 1 Zone 21



XA01518D/06/EN/04.22-00

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Proline Promag 300

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Associated documentation

All documentation is available:

- On the CD-ROM supplied (not included in the delivery for all device versions).
- Available for all device versions via:
 - Internet: www.endress.com/deviceviewer
 - Smart phone/tablet: Endress+Hauser Operations App
- In the Download Area of the Endress+Hauser web site: www.endress.com → Download.

This document is an integral part of the following Operating Instructions:

Measuring device	Documentation code			
	HART	FOUNDATION Fieldbus	PROFIBUS PA	PROFIBUS DP
Promag H 300	BA01392D	BA01477D	BA01396D	BA01865D
Promag P 300	BA01393D	BA01478D	BA01397D	BA01853D
Promag W 300	BA01918D	BA01938D	BA01928D	BA01940D

Measuring device	Documentation code		
	Modbus RS485	EtherNet/IP	PROFINET
Promag H 300	BA01394D	BA01716D	BA01718D
Promag P 300	BA01395D	BA01717D	BA01719D
Promag W 300	BA01939D	BA01937D	BA01941D

Additional documentation

Contents	Document type	Documentation code
Remote display and operating module	Special documentation	SD01763D
DKX001	Safety Instructions	XA01500D
	Ex ia, Ex tb	
Explosion Protection	Brochure	CP00021Z/11

Please note the documentation associated with the device.

Manufacturer's Declaration of conformity

certificates INMETRO CERTIFICADO DE CONFORMIDADE

Certificate of Conformity

Certificate number:

TÜV 19.1341X

Affixing the certificate number certifies conformity with the standards under www.abnt.org.br (depending on the device version).

- ABNT NBR IEC 60079-0: 2020
- ABNT NBR IEC 60079-1: 2016
- ABNT NBR IEC 60079-7: 2018
- ABNT NBR IEC 60079-11: 2013
- ABNT NBR IEC 60079-26: 2016
- ABNT NBR IEC 60079-31: 2014

Manufacturer	Endress+Hauser Flowtec AG
address	Kägenstrasse 7
	4153 Reinach BL
	Switzerland

ExtendedThe extended order code is indicated on the nameplate, which is affixedorder codeto the device in such a way that it is clearly visible. Additional
information about the nameplate is provided in the associated
Operating Instructions.

Structure of the extended order code

* * * * * *	_ **********	+	A*B*C*D*E*F*G*		
(Device type)	(Basic specifications)		(Optional specifications)		
* =	1 / 1 (Placeholder At this position, an option (number or letter) selected from the pecification is displayed instead of the placeholders.			

Device type

The device and the device design is defined in the "Device type" section (Product root).

Basic specifications

The features that are absolutely essential for the device (mandatory features) are specified in the basic specifications. The number of positions depends on the number of features available. The selected option of a feature can consist of several positions.

Optional specifications

The optional specifications describe additional features for the device (optional features). The number of positions depends on the number of features available. The features have a 2-digit structure to aid identification (e.g. JA). The first digit (ID) stands for the feature group and consists of a number or a letter (e.g. J = Test, Certificate). The second digit constitutes the value that stands for the feature within the group (e.g. A = 3.1 material (wetted parts), inspection certificate).

More detailed information about the device is provided in the following tables. These tables describe the individual positions and IDs in the extended order code which are relevant to hazardous locations.

Position	Order code for	Option selected	Description
1	Instrument family	5	Electromagnetic flowmeter
2	Sensor	H, P, W	Sensor type
3	Transmitter	3	Transmitter type: 4-wire, compact version
4	Generation index	В	Platform generation
5, 6	Nominal diameter	H: DN 2 to 150 P: DN 15 to 600 W: DN 25 to 2 400	Nominal diameter of sensor

Device type

Basic specifications

Position 1, 2	Position 4, 5	Type of protection	
Order code for "Approval" Option selected	Order code for "Output, input 1" Option selected	Transmitter	Sensor
MB ¹⁾	BA, GA, LA, MA, NA, RA, SA	Ex db eb ia IIC T6T1 Gb Ex tb IIIC T** °C Db	Ex eb ia IIC T6T1 Gb Ex ia tb IIIC T** °C Db
	СА, СС, НА, ТА	Ex db eb ia ia Ga] IIC T6T1 Gb Ex tb ia Da] IIIC T** °C Db	
MD ²⁾	BA, GA, LA, MA, NA, RA, SA	Ex db eb ia IIC T6T1 Gb Ex tb IIIC T** °C Db	Ex eb ia IIC T6T1 Gb Ex ia tb IIIC T** °C Db
	СА, СС, НА, ТА	Ex db eb ia ia Ga] IIC T6T1 Gb Ex tb ia Da] IIIC T** °C Db	

1) Connection compartment of the transmitter Ex eb

2) Connection compartment of the transmitter Ex db

Position	Order code for	Option selected	Description
4, 5	Output, input 1	BA	4-20mA HART
		CA	4-20mA HART Ex-i passive
		СС	4-20mA HART Ex-i active

Position	Order code for	Option selected	Description
		GA	PROFIBUS PA
		НА	PROFIBUS PA Ex-i
		LA	PROFIBUS DP
		MA	Modbus RS485
		NA	EtherNet/IP 2-port switch integrated
		RA	PROFINET IO 2-port switch integrated
		SA	FOUNDATION Fieldbus
		ТА	FOUNDATION Fieldbus Ex-i
6	Output, input 2	А	W/o
		В	4-20mA
		С	4-20mA Ex-i passive
		D	Configurable I/O initial setting off
		E	Pulse/frequency/switch output
		F	Pulse output, phase-shifted
		G	Pulse/frequency/switch output Ex-i passive
		Н	Relay
		Ι	4-20mA input
		J	Status input
7	Output, input 3	А	W/o
		В	4-20mA
		С	4-20mA Ex-i passive
		D	Configurable I/O initial setting off
		Е	Pulse/frequency/switch output
		F	Pulse output, phase-shifted
		G	Pulse/frequency/switch output Ex-i passive
		Н	Relay
		Ι	4-20mA input
		J	Status input
8	Display; Operation	А	W/o; via communication
		F	4-line, illuminated; touch control
		G	4-line, illuminated; touch control + WLAN
		М	W/o; prepared for remote display DKX001 ¹⁾

Position	Order code for	Option selected	Description
		0	Separate, with remote display DKX001 $^{\rm 1)},$ 4-line, illuminated; 10 m / 30 ft cable; touch control
9	Housing	А	Alu, coated
11	Liner	А	PFA
		В	PFA High-temperature
		Е	PTFE
		Н	Hard rubber
		Q	PTFE 90°C
		U	Polyurethane
17, 18	Device Model	A1	1
		A2	2

1) DKX001 is approved according to TÜV 18.0688.

Optional specifications

ID	Order code for	Option selected	Description
Рx	Enclosed accessories	Р8	Wireless antenna, wide area (external WLAN antenna) $^{\rm 1)}$

1) The external WLAN antenna is available with the order code for "Accessory Enclosed", option P8.

Safety instructions: General

- Staff must meet the following conditions for mounting, electrical installation, commissioning and maintenance of the device:
 - Be suitably qualified for their role and the tasks they perform
 - Be trained in explosion protection
 - Be familiar with national regulations or guidelines (e.g. ABNT NBR IEC 60079-14)
- Install the device according to the manufacturer's instructions and national regulations.
- Do not operate the device outside the specified electrical, thermal and mechanical parameters.
- Only use the device in media to which the wetted materials have sufficient durability.
- Refer to the temperature tables for the relationship between the permitted ambient temperature for the sensor and/or transmitter, depending on the range of application, and the temperature classes.
- Modifications to the device can affect the explosion protection and must be carried out by staff authorized to perform such work by Endress+Hauser.

- When using in hybrid mixtures (gas and dust occurring simultaneously), observe additional measures for explosion protection.
- Open the housing cover of the transmitter housing in explosion protection Ex db only if one of the following conditions is met:
 - An explosive atmosphere is not present.
- A waiting time of 10 minutes is observed after switching off the power supply.
 The following warning notice is on the device:

Atenção - Aguardar 10 minutos após desenergização antes de abrir o invólucro do transmissor em tipo de proteção Ex d.

• Observe all the technical data of the device (see nameplate).

Safety instructions: Installation

- Continuous service temperature of the connecting cable: -40 to +80 °C; in accordance with the range of service temperature taking into account additional influences of the process conditions ($T_{a,min}$ and $T_{a,max}$ + 20 K).
- Only use certified cable entries suitable for the application. Observe selection criteria as per ABNT NBR IEC 60079-14.
- The following applies when connecting the transmitter with a connection compartment in Ex db:

Only use separately certified cables and wire entries (Ex db IIC) which are suitable for operating temperatures up to 85 $^{\circ}$ C and for IP 66/67. If using conduit entries, the associated sealing mechanisms must be mounted directly on the housing.

Plastic sealing plugs act as transport protection and have to be replaced by suitable, individually approved installation material. The mounted metal thread extensions and dummy plugs are tested and certified as part of the housing for type of protection Ex db IIC. The thread extension or the dummy plug labeled as follows for identification purposes:

- Md: M20 x 1.5
- d: NPT ½"
- Gd: G ½"
- The following applies when connecting the transmitter with a connection compartment in Ex eb:

Only use separately certified cable and wire entries and sealing plugs (Ex eb IIC) which are suitable for operating temperatures up to 85 °C and for IP 66/67. The cables must be routed such that they are securely seated, and sufficient strain relief must be ensured. The mounted metal thread extensions and dummy plugs supplied are tested and certified as part of the housing for type of protection Ex eb IIC. Plastic sealing plugs act as transport protection and have to be replaced by suitable, individually approved installation material. Supplied cable glands are separately certified and marked as components and meet device specification requirements.

- When the measuring device is connected, attention must be paid to explosion protection at the transmitter.
- Turning the transmitter housing
 - Loosen both hexagon socket screws until the transmitter housing can be turned.
 - Turn transmitter housing to desired position (mechanically limited); if necessary turn 270° in other direction.
 - Tighten both hexagon socket screws with a maximum of 7 Nm.
- In potentially explosive atmospheres:
 - Do not disconnect the electrical connection of the power supply circuit when energized.
 - Do not open the connection compartment cover when energized.
- When connecting through a conduit entry approved for this purpose, mount the associated sealing unit directly at the enclosure.
- Seal unused entry glands with approved sealing plugs that correspond to the type of protection. The plastic transport sealing plug does not meet this requirement and must therefore be replaced during installation.
- Only use certified sealing plugs. The metal sealing plugs supplied meet this requirement.
- Transmitters with Ex db eb approval must not be connected via the service interface (CDI-RJ45)! Order code "Approval; Transmitter + Sensor", options (Ex de): MB

Optional external WLAN antenna

- The external WLAN antenna can be used only in conjunction with an Ex eb connection compartment.
 - Use with an Ex db connection compartment is not permitted.
- Connect the antenna bushing H337 to the transmitter housing and tighten by hand.
- Use only external antennas supplied by Endress+Hauser.
- Connect antenna or antenna cable with plug-in connector type N (MIL-STD-348) to antenna bushing H337.

Intrinsic safety

- Observe the guidelines for interconnecting intrinsically safe circuits (e.g. ABNT NBR IEC 60079-14 , Proof of Intrinsic Safety).
- When the intrinsically safe Ex ia circuits of the device are connected to certified intrinsically safe circuits of Category Ex ib for Equipment Groups IIC or IIB, the type of protection changes to Ex ib IIC or Ex ib IIB.
- The device can be connected to the remote display DKX001 which has Ex ia explosion protection: refer to the Special documentation and Ex documentation.
- When using the remote display and operating module DKX001 the internal display and operating module must be removed.
 - When using the separate approved, remote display and operating module DKX001, only use the following variants: Basic specification of the remote display and operating module DKX001, order code "Approval", option ME, MF, MG

Potential equalization

- Integrate the device into the local potential equalization .
- If the ground connection has been established via the pipe as specified, it is also possible to integrate the sensor into the potential equalization system via the pipe.
- The antenna bushing H337 of the external antenna must be integrated into the local potential equalization system. This is the case if the sensor is connected in accordance with the regulations via the coupling.
- To ensure dust-tightness, securely seal the transmitter and sensor housing, cable entries and sealing plugs.
- Only open the transmitter and sensor housing briefly, ensuring that no dust or moisture enters the housing.
- Only use certified cable entries. The metal cable entries, extensions and sealing plugs supplied meet this requirement.
- The metal extensions and blind plugs supplied are tested and certified as part of the enclosure for explosion protection Ex tb IIIC. Plastic sealing plugs in extensions act as transport protection and have to be replaced by suitable, individually approved installation material. Supplied cable glands are separately certified and marked as components and meet device specification requirements.

Safety instructions: Zone 21 tables

Temperature

Ambient temperature

Minimum ambient temperature

 $T_{a} = -40 \ ^{\circ}C$

Maximum ambient temperature

 T_a = +60 °C depending on the medium temperature and temperature class.

Medium temperature

Minimum medium temperature

 $T_m = -40$ to 0 °C depending on the selected device version (see nameplate!)

Maximum medium temperature

 $T_{\rm m}$ for T6...T1 depending on the maximum ambient temperature $T_{\rm a}$

Maximum medium temperature with or without thermal insulation according to Endress+Hauser specifications

DN	T _a		T _m [°C]								
	[°C]	T6 [85 °C]	T5 [100 ℃]	T4 [135 ℃]	T3 [200 °C]	T2 [300 °C]	T1 [450 °C]				
Without ther	Without thermal insulation										
2150	50	80 ¹⁾	95	130	150	150	150				
	55 ²⁾	65 ¹⁾	80	130	150	150	150				
	60 ²⁾	-	_	115	115	115	115				

Promag H

1) $T_m = 50$ °C for optional specification, ID Cx (Sensor option) = CI (Fluid Temperature Probe)

2) $T_a = 50 \degree C$ for optional specification, ID Cx (Sensor option) = CI (Fluid Temperature Probe)

Promag P

DN	Liner	Ta	T _m [°C]							
		[°C]	T6 [85 °C]	T5 [100 °C]	T4 [135 ℃]	T3 [200 °C]	T2 [300 °C]	T1 [450 ℃]		
Without ther	Without thermal insulation									
15600	PTFE	45	80	90	130	130	130	130		
		50	60	90	130	130	130	130		
		55	-	-	130	130	130	130		
		60	-	-	100	100	100	100		

DN	Liner	Ta			T _m	[°C]		
		[°C]	T6 [85 °C]	T5 [100 °C]	T4 [135 °C]	T3 [200 °C]	T2 [300 °C]	T1 [450 °C]
25200	PFA	40	80	95	130	150	150	150
		45	80	95	130	130	130	130
		50	60	90	130	130	130	130
		60	-	-	100	100	100	100
Extended nec	k for insulatio	n (Option	al specificati	on, ID Cx (Sens	sor Option) = (CG), with or wi	thout thermal	insulation
15300	PTFE	50	60	95	130	130	130	130
		55	-	95	130	130	130	130
		60	-	-	100	100	100	100
25200	PFA	45	80	95	130	150	150	150
		50	60	95	130	150	150	150
		60	-	-	100	100	100	100

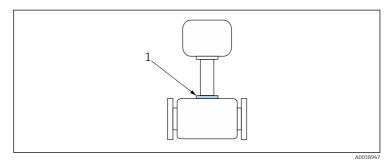
Promag W

DN	Liner	T _a			T _m	[°C]		
		[°C]	T6 [85 °C]	T5 [100 °C]	T4 [135 ℃]	T3 [200 °C]	T2 [300 °C]	T1 [450 °C]
Without the	mal insulation							
25300	PTFE	45	80	90	90	90	90	90
		50	60	90	90	90	90	90
		55	-	-	90	90	90	90
		60	-	-	90	90	90	90
502400	Hard rubber	50	60	80	80	80	80	80
		60	-	-	80	80	80	80
251200	PU	50	50	50	50	50	50	50
Extended nee	ck for insulation	n (Option	al specificati	on, ID Cx (Sens	sor Option) = (CG), with or wi	thout thermal	insulation
25300	PTFE	45	80	90	90	90	90	90
		50	60	90	90	90	90	90
		55	-	-	90	90	90	90
		60	-	-	90	90	90	90
50300	Hard rubber	50	60	80	80	80	80	80

DN	Liner	Ta		T _m [°C]						
		[°C]	T6 [85 °C]	T5 [100 °C]	T4 [135 ℃]	T3 [200 °C]	T2 [300 °C]	T1 [450 ℃]		
		60	-	-	80	80	80	80		
25300	PU	50	50	50	50	50	50	50		

With thermal insulation without Endress+Hauser specifications

The specified reference temperature $T_{\rm ref}$ and the maximum medium temperature $T_{\rm m,\ max}$ for each temperature class must not be exceeded.



- I High-temperature version or extension neck for insulation: position of reference point for temperature measurement
- 1 Reference point (T_{ref})

Reference temperature T_{ref}

T6	T5	T4	T3	T2	T1
[85 ℃]	[100 °C]	[135 ℃]	[200 °C]	[300 °C]	[450 ℃]
56.4	71.3	72.2	72.2	72.2	

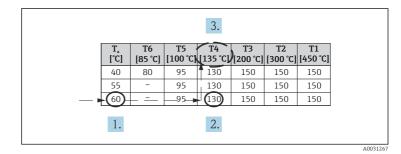
Explosion hazards arising from gas and dust

Determining the temperature class and surface temperature with the temperature table

- In the case of gas: Determine the temperature class as a function of the maximum ambient temperature T_a and the maximum medium temperature T_m .
- In the case of dust: Determine the maximum surface temperature as a function of the maximum ambient temperature $T_{\rm a}$ and the maximum medium temperature $T_{\rm m}.$

Example

- Measured maximum ambient temperature: $T_{ma} = 63 \text{ °C}$
- Measured maximum medium temperature: T_{mm} = 108 °C



I Procedure for determining the temperature class and surface temperature

1. In the column for the maximum ambient temperature T_a select the temperature that is immediately greater than or equal to the maximum ambient temperature T_{ma} that is present.

- → $T_a = 60$ °C. The row showing the maximum medium temperature is determined.
- 2. Select the maximum medium temperature T_m of this row, which is immediately greater than or equal to the maximum medium temperature T_{mm} that is present.
 - → The column with the temperature class for gas is determined: 108 °C ≤ 130 °C \rightarrow T4.
- 3. The maximum temperature of the temperature class determined corresponds to the maximum surface temperature for dust: T4 = 135 °C.

XA01518D

Connection values: Signal circuits

The following tables contain specifications which are dependent on the transmitter type and its input and output assignment. Compare the following specifications with those on the nameplate of the transmitter.

Terminal assignment

Transmitter: supply voltage, input/outputs

HART

Supply	Supply voltage		Input/output 1		Input/output 2		Input/output 3	
1 (+)	2 (-)	26 (+)	27 (-)	24 (+)	25 (-)	22 (+)	23 (-)	
		Device-s	pecific term	inal assignr cov		ive label in	terminal	

FOUNDATION Fieldbus

Supply voltage		Input/output 1		Input/output 2		Input/output 3	
1 (+)	2 (-)	26 (A)	27 (B)	24 (+)	25 (-)	22 (+)	23 (-)
		Device-s	pecific term	inal assignr cov		ive label in	terminal

PROFIBUS PA

Supply	Supply voltage		Input/output 1		Input/output 2		Input/output 3	
1 (+)	2 (-)	26 (B)	27 (A)	24 (+)	25 (-)	22 (+)	23 (-)	
		Device-s	pecific term	inal assignr cov		ive label in	terminal	

PROFIBUS DP

Supply	Supply voltage		Input/output 1		Input/output 2		Input/output 3	
1 (+)	2 (-)	26 (B)	27 (A)	24 (+)	25 (-)	22 (+)	23 (-)	
		Device-s	pecific term	inal assignr cov		ive label in	terminal	

Modbus RS485

Supply	voltage	Input/output 1		Input/output 2		Input/output 3	
1 (+)	2 (-)	26 (B)	27 (A)	24 (+)	25 (-)	22 (+)	23 (-)
		Device-s	pecific term	inal assignr cov		ive label in	terminal

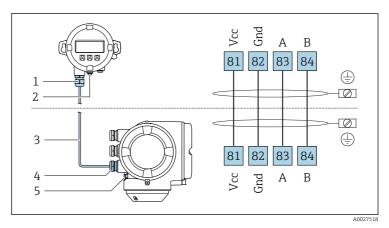
PROFINET

Supply	oly voltage Input/output 1		Input/c	output 2	Input/o	output 3
1 (+)	2 (-)	PROFINET	24 (+)	25 (-)	22 (+)	23 (-)
		(RJ45 connector)	1	-specific ter esive label ir	5	

EtherNet/IP

Supply	voltage	Input/output 1	Input/o	utput 2	Input/o	output 3
1 (+)	2 (-)	EtherNet/IP (RJ45 connector)	Device	25 (–) -specific ter esive label ir	minal assigi	nment:

Remote display and operating module DKX001



- 1 Remote display and operating module DKX001
- 2 Protective earth (PE)
- 3 Connecting cable
- 4 Measuring device
- 5 Protective earth (PE)

Safety-related values

Order code for "Output; input 1"	Output type	Safety-related values "Output; input 1"	
		26 (+)	27 (-)
Option BA	Current output 4 to 20 mA HART	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$	
Option GA	PROFIBUS PA	$U_{\rm N}$ = 30 V _{DC} $U_{\rm M}$ = 250 V _{AC}	
Option LA	PROFIBUS DP	$U_{\rm N} = 30 \ V_{\rm DC}$ $U_{\rm M} = 250 \ V_{\rm AC}$	
Option MA	Modbus RS485	$\begin{array}{l} U_{N}=30 \ V_{DC} \\ U_{M}=250 \ V_{AC} \end{array}$	
Option SA	FOUNDATION Fieldbus	$U_{\rm N} = 30 \ V_{\rm DC}$ $U_{\rm M} = 250 \ V_{\rm AC}$	
Option NA	EtherNet/IP	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$	
Option RA	PROFINET	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$	

Order code for	Output type	Safety-related values			
"Output; input 2"; "Output; input 3"		Output; input 2 Output; input 3		input 3	
		24 (+)	25 (-)	22 (+)	23 (-)
Option B	Current output 4 to 20 mA	$U_{\rm N} = 30 V_{\rm DC}$ $U_{\rm M} = 250 V_{\rm AC}$			
Option D	User-configurable input/output	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$			
Option E	Pulse/frequency/ switch output	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$			
Option F	Double pulse output	U _N = 30 V _{DC} U _M = 250 V _{AC}			
Option H	Relay output	$\begin{array}{l} U_{N} = 30 \; V_{DC} \\ I_{N} = 100 \; mA_{DC} / 500 \; mA_{AC} \\ U_{M} = 250 \; V_{AC} \end{array}$			
Option I	Current input 4 to 20 mA	$U_{N} = 30 V_{DC}$ $U_{M} = 250 V_{AC}$			
Option J	Status input	$U_{\rm N} = 30 V_{\rm H}$ $U_{\rm M} = 250$	50		

Intrinsically safe values

Order code for "Output; input 1"	Output type	Intrinsically safe values "Output; input 1"		
		26 (+)	27 (-)	
Option CA	Current output 4-20mA HART Ex-i passive	$\begin{array}{l} U_i = 30 \ V \\ l_i = 100 \ mA \\ P_i = 1.25 \ W \\ L_i = 0 \ \mu H \\ C_i = 6 \ nF \end{array}$		
Option CC	Current output 4-20mA HART Ex-i active	Ex ia $U_0 = 21.8 V$ $I_0 = 90 mA$ $P_0 = 491 mW$ $L_0 = 4.1 mH(IIC)/$ 15 mH(IIB) $C_0 = 160 nF(IIC)/$ 1160 nF(IIB)		
		$\begin{array}{l} U_i = 30 \ V \\ l_i = 10 \ mA \\ P_i = 0.3 \ W \\ L_i = 5 \ \mu H \\ C_i = 6 \ nF \end{array}$		
Option HA	PROFIBUS PA Ex i (STANDARD + FISCO)			
Option TA	FOUNDATION Fieldbus Ex i (STANDARD + FISCO)			

Order code for			Intrinsically safe values			
"Output; input 2"; "Output; input 3"		Output; input 2 Output; input 3		input 3		
		24 (+)	25 (-)	22 (+)	23 (-)	
Option C	Current output 4 to 20 mA Ex i passive	$\begin{array}{l} U_i = 30 \ V \\ l_i = 100 \ mL \\ P_i = 1.25 \ V \\ L_i = 0 \\ C_i = 0 \end{array}$				
Option G	Pulse/frequency/ switch output Ex i passive	$ \begin{array}{l} U_i = 30 \ V \\ l_i = 100 \ mA \\ P_i = 1.25 \ W \\ L_i = 0 \\ C_i = 0 \end{array} $				

Remote display DKX001

Basic specification, position 1, 2 Approval	Terminal assignment	Basic specification, position 8 Display; Operation Option O
Option ¹⁾ MB, MD	81, 82, 83, 84	A connecting cable with the value L/R \leq 24 μ H/ Ω and $C_{cable} \leq$ 1000 nF must be used for the version for connecting to the remote display DKX001 or ODKX001. The cable supplied meets this requirement.

1) With separate order of DKX001: ME, MF, MG



71594256

www.addresses.endress.com

