


060G2199
Pressure transmitter, MBS 33, 0 bar - 250 bar, 0 psi - 3625 psi

Pressure reference: Sealed gauge, Output signal: Current, Electrical connection: Angular connector, Pressure connection type: G, Pressure connection size: 1/2, Specification key: MBS 33-3431-A1GB08-2

PRODUCT DETAILS

Gross weight	0.212 Kilogram
Net weight	0.191 Kilogram
Volume	0.411 Liter
EAN	5702423205455
Type	MBS 33
Product group	Sensors
Product Name Description	Pressure transmitter
+ supply	Pin 1
- common	Pin 2
Accuracy, max. [\pmFS%]	0.8 %
Accuracy, typical [\pmFS%]	0.3 %
Adj. zero point and span	No
Ambient temperature range [$^{\circ}$C] [max]	85 $^{\circ}$ C
Ambient temperature range [$^{\circ}$C] [min]	-40 $^{\circ}$ C
Ambient temperature range [$^{\circ}$F] [max]	185 $^{\circ}$ F
Ambient temperature range [$^{\circ}$F] [min]	-40 $^{\circ}$ F
Approval	ATEX CE
Approval comments	ATEX Ex ec IIA T4 Gc
Autofrettage Pressure	1600 bar
CE mark	Yes
China RoHS compliance	Out of scope
Compensated temp. range [$^{\circ}$C] [max]	80 $^{\circ}$ C
Compensated temp. range [$^{\circ}$C] [min]	0 $^{\circ}$ C
Compensated temp. range [$^{\circ}$F] [max]	176 $^{\circ}$ F
Compensated temp. range [$^{\circ}$F] [min]	32 $^{\circ}$ F
Contains batteries	No
EEE category	5 small equipment (any external dimension < 50 cm)
Electrical conn. Male/Female	Male and Female
Electrical connection	Angular connector

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

PRODUCT DETAILS

Electrical connection size	Pg 9
Electrical connection standard	EN 175301-803-A
Enclosure rating IP	IP65
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(c)
Flush diaphragm	No
High Clipping Level	22.4
In scope of WEEE	Yes
International Article Number	5702423205455
Intrinsically safe	No
Low Clipping level	3.6
Medium temperature range [°C] [max]	85 °C
Medium temperature range [°C] [min]	-40 °C
Medium temperature range [°F] [max]	185 °F
Medium temperature range [°F] [min]	-40 °F
Non-linearity BFSL [±FS%]	0.2 %
Output signal	Current
Output signal [mA] [max]	20 mA
Output signal [mA] [min]	4 mA
Overload pressure max. [bar]	600 bar
Packing format	Multi pack
Pressure connection HEX [mm]	27 mm
Pressure connection size	1/2
Pressure connection standard	DIN 3852-E ISO 1179-2 (Form E)
Pressure connection type	G
Pressure Male/Female	Male
Pressure range [bar] [max]	250 bar
Pressure range [bar] [min]	0 bar
Pressure range [psi] [max]	3625 psi
Pressure range [psi] [min]	0 psi
Pressure reference	Sealed gauge
Pulse-snubber	No
Quantity per packing format	14 pc
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Response time max. [ms]	4 ms
SCIP dossier no.	16d2efc6-64f3-4a4e-ae98- a3fd7ce0218d
SCIP dossier product name	AKS/MBS
Specification key	MBS 33-3431-A1GB08-2
Supply current max. [mA]	28 mA
Supply voltage [V] DC [max]	32 V
Supply voltage [V] DC [min]	9 V
UL mark	Yes

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

For more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Accessories



060G1022 [↗](#)

Accessories, sensors, Process con. adapter

Used for product: AKS/MBS, Parts included: Adapter G1/2 fe-G1/4 ma, Packing format: Multi pack, Quantity per packing format: 120



060G2850 [↗](#)

Accessories, sensors, Display

Used for product: MBS (4-20mA); MBT5560; MBT 3560; AKS (4-20mA), Parts included: Display, Packing format: Single pack, Quantity per packing format: 1

For more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.