

KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5858/5878, OPTICAL, PROFIBUS, Ø58 MM

SERIE 5858 PROFIBUS

- Housing diameter Ø58 mm
- Profibus
- Safety-Lock™
- High enclosure class



Product description

Sendix 5858/5878 is a one-way fieldbus sensor with Profibus in robust design. Thanks to the construction of Safety-Lock™ as well as the fully cast housing, the sensor is able to handle even the more demanding applications where there are high demands on the sensor. The wide temperature range combined with the high enclosure class allows the sensor to be used outdoors as well as applications where large temperature changes occur. Sendix 5858/5878 is available with LED indication, which facilitates diagnosis of the sensor and a set button that facilitates calibration.

Please refer to the images below for ordering information.

Order code	8.5858	.XX3X.	311X	
Shaft version	Type	a b c d	e f	
a Flange		b Shaft (ø x L), with flat	d Type of connection	f Options (Service)
1 = clamping flange, IP65 ø 58 mm [2.28"]		1 = 6 x 10 mm [0.24 x 0.39"]¹⁾	removable bus terminal cover	2 = no option
3 = clamping flange, IP67 ø 58 mm [2.28"]		2 = 10 x 20 mm [0.39 x 0.79"]²⁾	1 = with radial cable gland fitting	3 = SET button
2 = synchro flange, IP65 ø 58 mm [2.28"]		3 = 1/4" x 7/8"	2 = with 3 x radial M12 connectors	
4 = synchro flange, IP67 ø 58 mm [2.28"]		4 = 3/8" x 7/8"		<i>Optional on request</i>
5 = square flange, IP65 □ 63.5 mm [2.5"]			e Fieldbus profile	- Ex 2/22
7 = square flange, IP67 □ 63.5 mm [2.5"]		c Interface / power supply	31 = PROFIBUS DP V0	- surface protection
		3 = PROFIBUS DP V0	encoder profile class 2	salt spray tested
		encoder profile V 1.1, 10 ... 30 V DC		

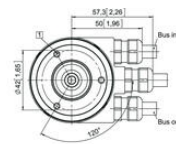
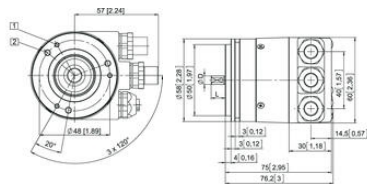
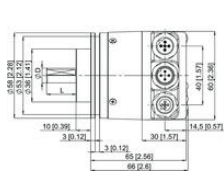
Order code	8.5878	.XX3X.	311X	
Hollow shaft	Type	a b c d	e f	
a Flange		b Blind hollow shaft	d Type of connection	f Options (Service)
1 = with spring element, long, IP65		(insertion depth max. 30 mm [1.18"])	removable bus terminal cover	2 = no option
2 = with spring element, long, IP67		3 = ø 10 mm [0.39"]	1 = with radial cable gland fitting	3 = SET button
3 = with stator coupling, IP65 ø 65 mm [2.56"]		4 = ø 12 mm [0.47"]	2 = with 3 x radial M12 connectors	
4 = with stator coupling, IP67 ø 65 mm [2.56"]		5 = ø 14 mm [0.55"]		<i>Optional on request</i>
5 = with stator coupling, IP65 ø 63 mm [2.48"]		6 = ø 15 mm [0.59"]	e Fieldbus profile	- Ex 2/22
6 = with stator coupling, IP67 ø 63 mm [2.48"]		8 = ø 3/8"	31 = PROFIBUS DP V0	- surface protection
		9 = ø 1/2"	encoder profile class 2	salt spray tested
		c Interface / power supply		
		3 = PROFIBUS DP V0		
		encoder profile V 1.1, 10 ... 30 V DC		

Specifications

Connection Thread

Cable, M12

Housing diametre	58
IP Class	IP65, IP67
Mounting	Shoulder
Output	Profibus
Sensor type	Absolute
Shaft Diameter max	10
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	10
Temperature range from	-40
Temperature range to	80
Version	Singleturn



Signal	B	A	0V	+V	0V	+V	B	A
Terminal	1	2	3	4	5	6	7	8

The shield of the connection cable must be connected over a large area on the cable gland.

Signal	-	BUS-B	-	BUS-B	shield
Pin	1	2	3	4	5

Signal	Us	-	0V	-
Pin	1	2	3	4

Signal	BUS_VCC	BUS-A	BUS-DNC	BUS-B	shield
Pin	1	2	3	4	5

1) For supplying an external Profibus DP termination resistor

Signal	B	A	0V	+V	0V	+V	B	A
Terminal	1	2	3	4	5	6	7	8

The shield of the connection cable must be connected over a large area on the cable gland.

Signal	-	BUS-B	-	BUS-B	shield
Pin	1	2	3	4	5

Signal	Us	-	0V	-
Pin	1	2	3	4

Signal	BUS_VCC	BUS-A	BUS-DNC	BUS-B	shield
Pin	1	2	3	4	5

1) For supplying an external Profibus DP termination resistor