

# Your configuration



## Your configuration code is

**001-S02-1010-1010-00-A**

The transmission of the configuration code is an important piece of information for identifying your desired variant both in the quotation phase and in the order phase.

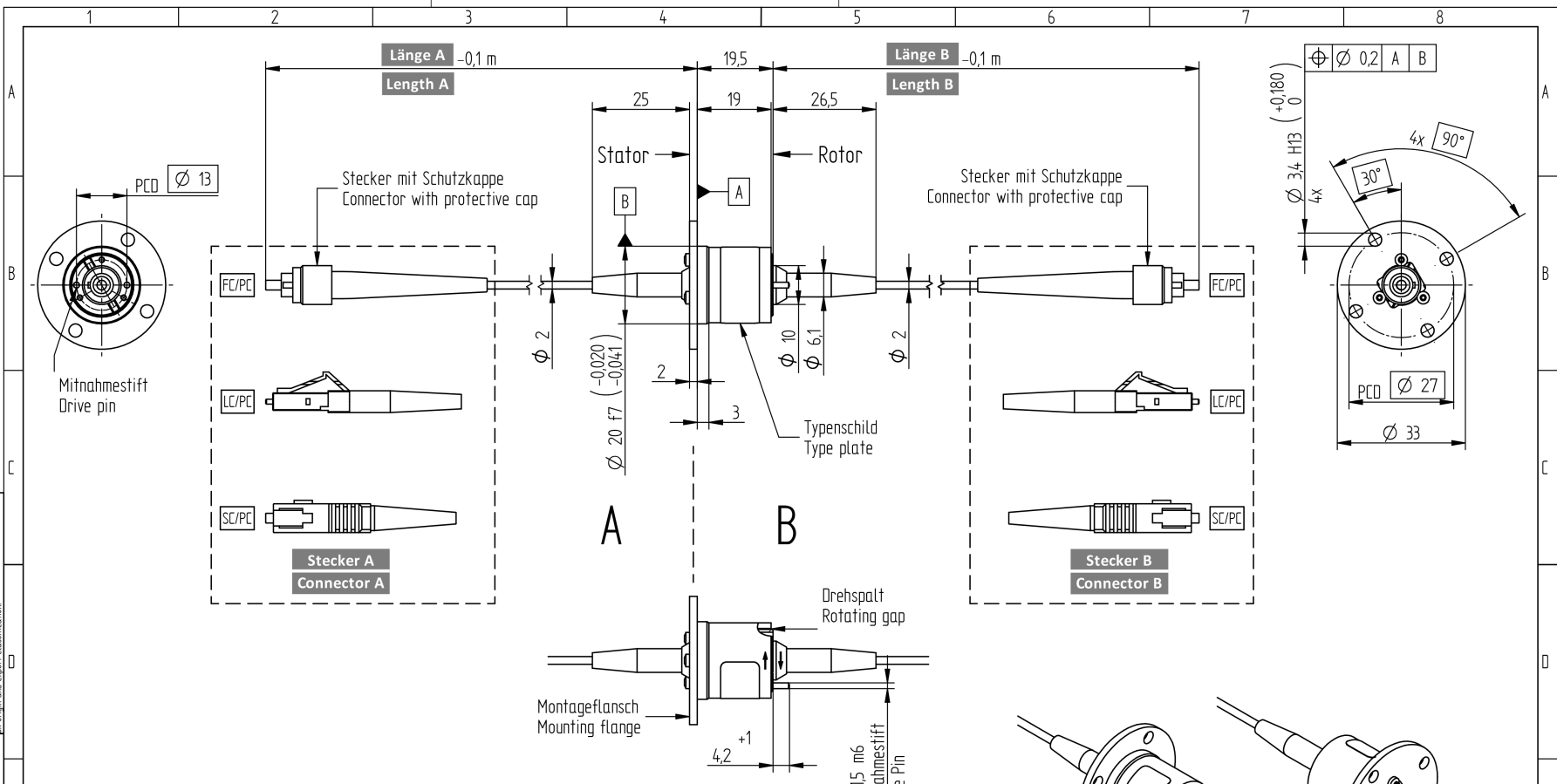
## Technical data

### Description

Fiber type	ITU-T G.657.A.1 (Single-Mode E9/125µm)	
Wavelength range	1260 nm to 1625 nm	
max. Insertion loss [dB]	1310 nm	1550 nm
	< 1,5 dB	< 1,5 dB
max. Variation of insertion loss with rotation [dB]	< 0,5 dB	< 0,5 dB
min. Return loss [dB]	> 40 dB	> 40 dB
Cable length [m]	0,5 m to 4,0 m	
max. rpm	500 rpm	
Protection class according to IEC 60529	IP 40	
Operating temperature	-40 °C to 85 °C	
Lifetime [m rev]	200	

Code	Name	Description
001	1-channel	Number of transmission paths/Fiber optic cables
S02	Single Mode (SM)	ITU-T G.657.A1 Single Mode  Bare Fiber in PU tube with aramid tension member, yellow, Ø2 mmm
<b>Selected stator components</b>		
10	FC/PC connector	SAP-8 Serie
10	1 meter	Lengt of optical fiber
<b>Selected rotor components</b>		
10	FC/PC connector	SAP-8 Serie
10	1 meter	Lengt of optical fiber

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Konfiguration	Configuration	Single-Mode		Multi-Mode / OM3		Multi-Mode / OM4	
		Standard values	Standard values	Standard values	Standard values	Standard values	Standard values
FaserTyp nach Schutzmanuel	Type of fiber acc. to jacket	ITU-T G.652.A1 (Single-Mode E9/125µm)	ISO/IEC 11801 OM3 (Multi-Mode G62.5/125µm)	ISO/IEC 11801 OM4 (Multi-Mode G60/125µm)			
Wellenlängenbereich	Wavelength range	2mm cable yellow		2mm cable yellow		2mm cable yellow	
Einleitgedämpfung bei jeweiliger Wellenlänge	Insertion loss at respective wavelength	1310 nm ... 1625 nm	850 nm ... 1550 nm	850 nm ... 1550 nm	850 nm ... 1550 nm	850 nm ... 1550 nm	850 nm ... 1550 nm
Variation der Einleitgedämpfung bei Rotation bei jeweiliger Wellenlänge	Insertion loss variation during rotation at respective wavelength	< 1.5 dB	< 1.5 dB	< 2.0 dB	< 2.0 dB	< 2.0 dB	< 2.0 dB
Rückflussdämpfung bei jeweiliger Wellenlänge	Return loss at respective wavelength	< 0.5 dB	< 0.5 dB	< 0.5 dB	< 0.5 dB	< 0.5 dB	< 0.5 dB
Max. optische Leistung	Max. optical power handling	> 40 dB	> 40 dB	> 27 dB	> 27 dB	> 27 dB	> 27 dB
Mechanische Eigenschaften		27 dBm ± 500 mW					
Max. Drehzahl	Max. rotational speed	500 rpm					
Drehmoment	Torque	< 0.01 Nm					
Lebensdauer (Umdrehungen)	Duration (rotations)	> 200 million					
Zulässiger radialer Moment auf Rotor	Max. radial torque to rotor	0.01 Nm					
Steigende der Faser dauernd	Fiber bend radius long term	> 300 mm					
kurzzeitig	short term	> R20 mm					
Umgebungsbedingungen		Environmental characteristics					
Temperaturbereich Betrieb	Temperature range operation	-40 °C ... 85 °C					
Temperaturbereich Lagerung	Temperature range storage	-40 °C ... 85 °C					
Max. Temperaturgradient	Max. temperature gradient	2 °C per minute					
Luftfeuchtigkeit ohne Kondensation	Humidity without condensation	Mil-STD-883E Method 1007.3 27 °C / 95 % rel. Hum. 35 °C / 74 % rel. Hum.					
Vibration	Vibration	Mil-STD-883E Method 514.5-C-2 3.85 g, 5 Hz ... 500 Hz					
Mechanischer Schock	Shock	Mil-STD-2026 Method 2138 30 g, 11 ms					
Schutzklasse	Protection Classification	IP-40					

DIN ISO 5456-2	TOLERANCES	DIN ISO 13715	FINISH	SCALE	REFERENCE 2
ISO 2768 - mH	+0,3 +0,1	-0,1 -0,3		1:1	
STANDARDS	DWG NO	REVISION	MATERIAL	WEIGHT	REFERENCE 1
ISO 8015 ISO 14405	7KF000000	A-		0,086 kg	
Beschreibung 01-Ch. FORJ			DESIGNER	FIRST RELEASE	
DESCRIPTION 01-Ch. FORJ			TWAIBL	20.11.2020	
SIZE/DIM			APPROVED	27.11.2020	
AGREPPMAYR			CHANGE NO	200114692	
SCHLEIFRING			DOCUMENT TYPE	Kundenzeichnung	SHEET 1/1

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