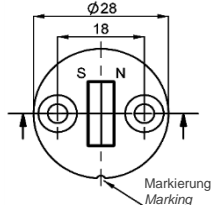
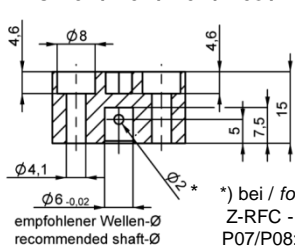


Z-RFC-P01 / P02 / P07 / P08 / P41 / P47



empfohlener Wellen-Ø
recommended shaft-Ø

*) bei / for
Z-RFC -
P07/P08:
M5

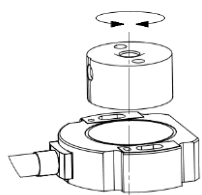
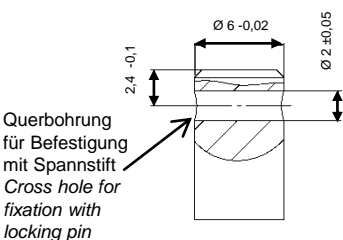
Montagehinweise Installation instructions

Axiale Montage mit
2 Schrauben M4 x 20,
max. Drehmoment 300 Ncm
Radiale Montage mit
Gewindestift M5,
max. Drehmoment 120 Ncm

Axial mounting with
2 screws M4 x 20, max.
tightening torque 300 Ncm
Radial mounting with
threaded pin M5, max.
tightening torque 120 Ncm

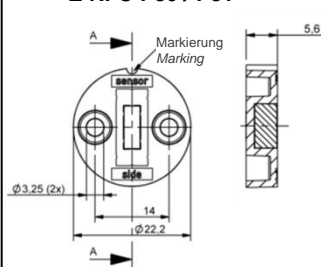
Bei / for Z-RFC-P01/-P02

Ausführung Welle (empfohlen) Recommended shaft setup



Indexpunkt
Index position

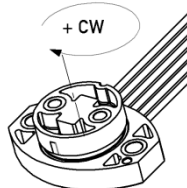
Z-RFC-P30 / P31



Montagehinweise Installation instructions

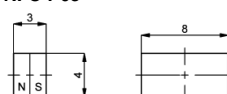
Axiale Montage mit
2 Schrauben M3 x 8,
max. Drehmoment 200 Ncm

Axial mounting with
2 screws M3 x 8, max.
tightening torque 200 Ncm

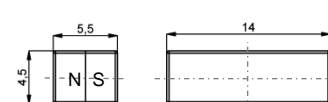


Indexpunkt
Index position

Z-RFC-P03



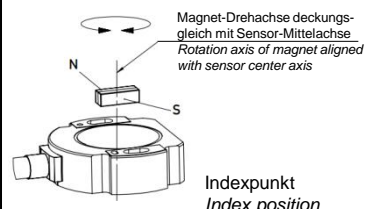
Z-RFC-P04



Montagehinweise Installation instructions

Nicht mechanisch belasten. Einkleben mit anaerobem Klebstoff z.B. Weicon AN 306-30 in nichtmagnetisches Material (empfohlen, da sich sonst die Arbeitsabstände verringern).

Avoid mechanical load. Glue in place with anaerobic glue e.g. Weicon AN 306-30, in non-magnetizable material (recommended, otherwise the working distances will be reduced).

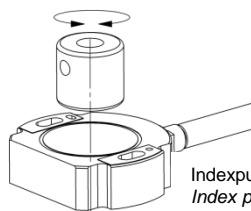


Z-RFC-P23 / P43

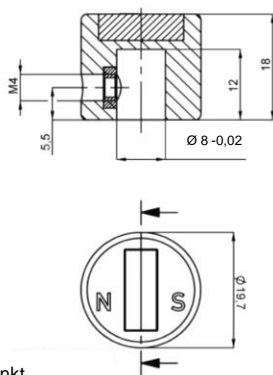
Ausführung Welle Shaft setup

Eine Abflachung an der Schraubenauflage wird empfohlen für Befestigung mit Gewindestift

A flattening is recommended at screw pressing point for fixation with threaded pin



Schraube = Markierung
Screw = marking

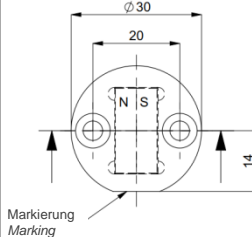
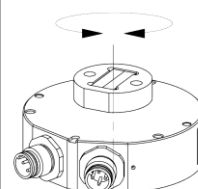


Montagehinweise Installation instructions

Radiale Montage mit Gewindestift M4, max. Drehmoment 100 Ncm (nach 5 Min. nachziehen für dauerhaft maximale Haltekraft)

Radial mounting with threaded pin M4, max. tightening torque 100 Ncm (retightening after 5 min. for permanent maximum holding force)

Z-RFC-P22



Montagehinweise Installation instructions

Axiale Montage mit 2 Schrauben M4 x 20, max. Drehmoment 300 Ncm

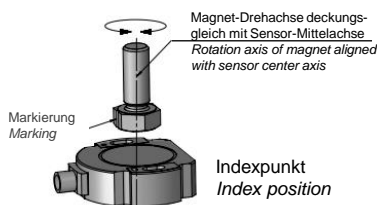
Axial mounting with 2 screws M4 x 20, max. tightening torque 300 Ncm

Montagehinweise / Installation instructions

Direkte Verschraubung oder Sicherung mit Befestigungsmutter. Eine Verdrehsicherung des Positionsgebers wird unbedingt empfohlen.

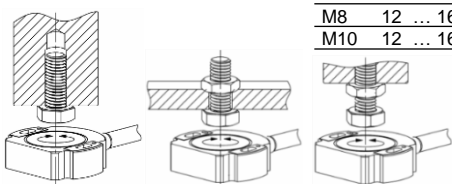
Directly screwed or secured by mounting nut.

It is absolutely recommended to secure the position marker against rotation.



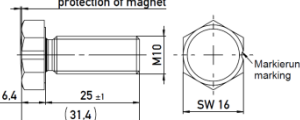
Max. Drehmoment / max. tightening torque
Z-RFC-P16 Z-RFC-P18
Z-RFC-P17 Z-RFC-P19
Z-RFC-P20

M8	12 ... 16 Nm	6 Nm
M10	12 ... 16 Nm	10 Nm



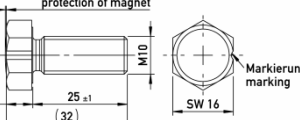
Z-RFC-P16

- 0.5 Magnetschutz
protection of magnet



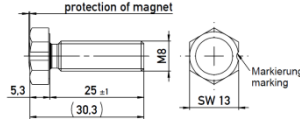
Z-RFC-P18

- 0.2 Magnetschutz
protection of magnet



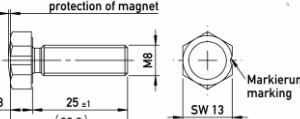
Z-RFC-P17

- 0.5 Magnetschutz
protection of magnet

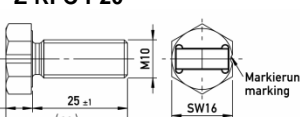


Z-RFC-P19

- 0.2 Magnetschutz
protection of magnet



Z-RFC-P20




Gebrauchsanleitung Positionsgeber für Winkelsensoren

Manual Position Markers for Rotary Sensors

Arbeitsabstände (in mm) : Abstand zwischen Positionsgeber und Sensorgehäuse
Working distances (in mm) : distance between position marker and sensor housing

Baureihe series	Schnittstelle interface	Z-RFC- P01/P07 P30 P03 P04 P23 P31 P20 P02/P08 P41/P47 P43 P22 P16/P18 P17/P19															
		P01/P07			P30	P03	P04	P23	P31	P20	P02/P08	P41/P47	P43	P22	P16/P18	P17/P19	
RFC-4801/4802/ 4853/4854/ 4861/4862	-6_ _ _ _ _ _ _ _ _ _ analog single -2_ _ - 8_ _ _ _ _ _ _ SPI	0 ... 1,5					0 ... 4					0 ... 2,7			-	0 ... 4,5	0 ... 2,2
RFC-4801/4802/ 4853/4854/ 4861/4862	-7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red.	0 ... 1,5					0 ... 4					0 ... 2,3			-	0 ... 4	0 ... 1,7
RFC-4801/4802	-2_ _ - 4_ _ _ _ _ _ _ SSI -2_ _ - 5_ _ _ _ _ _ _ Incremental					0 ... 1,4								-	-	-	
RFC-4851/4852	-6_ _ _ _ _ _ _ _ _ _ analog single -2_ _ - 61_ _ _ _ _ _ CAN single -2_ _ - 65_ _ _ _ _ _ CAN single -2_ _ - A_ _ _ _ _ _ _ IO-Link single	0,7 ... 2,2					2,3 ... 5					0 ... 2,7		4,4 ... 9,2	0 ... 4,5	0 ... 2,2	
RFC-4851/4852	-7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red. -2_ _ - 62_ _ _ _ _ _ CAN red. -2_ _ - 66_ _ _ _ _ _ CAN red.	0,3 ... 1,8					1,9 ... 4,5					0 ... 2,3		4 ... 8,8	0 ... 4	0 ... 1,7	
RFC-4863/4864	-6_ _ _ _ _ _ _ _ _ _ analog single	0,7 ... 2,2					2,3 ... 5				0 ... 2,7			-	0 ... 4	0 ... 2,2	
RFC-4863/4864	-7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red.	0,3 ... 1,8					1,9 ... 4,5				0 ... 2,3			-	0 ... 3,5	0 ... 1,7	
RFD-4021/4031	-6_ _ _ _ _ _ _ _ _ _ analog single		1,2 ... 2,7	1 ... 3		2,8 ... 6,2				-	-	0,9 ... 3,4	6,1 ... 10,9	0 ... 5	0 ... 2,8		
RFD-4021/4031	-7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red.		0,7 ... 2,3	0,6 ... 2,6		2,8 ... 6,2				-	-	0,5 ... 2,9	5,6 ... 10,4	0 ... 4,5	0 ... 2,3		
RFX-6901	-6_ _ _ _ _ _ _ _ _ _ analog single -7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red. -2_ _ - 62_ _ _ _ _ _ CAN red. -2_ _ - 66_ _ _ _ _ _ CAN red.					0,3 ... 3,5							2,6 ... 7,3	0 ... 2,5	-		
RFE-3201	-6_ _ _ _ _ _ _ _ _ _ analog single -2_ _ - 61_ _ _ _ _ _ CAN single -2_ _ - 65_ _ _ _ _ _ CAN single		0,4 ... 1,9			2 ... 4,7				-	-	0 ... 2,4	4,1 ... 8,9	0 ... 4	0 ... 1,8		
RFE-3201	-7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red. -2_ _ - 62_ _ _ _ _ _ CAN red. -2_ _ - 66_ _ _ _ _ _ CAN red.		0 ... 1,5			1,6 ... 4,2				-	-	0 ... 2	3,6 ... 8,4	0 ... 3,5	0 ... 1,3		

Seitlicher Versatz von Sensor und Positionsgeber erzeugt eine zusätzliche Linearitätsabweichung.
 Es ist daher auf konzentrischen Einbau zu achten.

 *Lateral offset of sensor and position marker causes an additional linearity error.
 A concentric mounting has to be ensured.*

Zusätzlicher Fehler [°] bei Radialversatz
Additional error [°] at radial displacement

Baureihe Series	Schnittstelle Interface	Z-RFC-P02 / P04 / P08 / P20 / P23 / P31			Z-RFC-P41 / P43 / P47			Z-RFC-P01 / P03 / P07 / P30			Z-RFC-P16 / P18			Z-RFC-P17 / P19			Z-RFC-P22		
		0,5 mm	1 mm	2 mm	0,5 mm	1 mm	2 mm	0,5 mm	1 mm	2 mm	0,5 mm	1 mm	2 mm	0,5 mm	1 mm	2 mm	1 mm	2 mm	4 mm
RFA-40_ _ _	-6_ _ _ _ _ _ _ _ _ _ * analog single *																		
RFC-48_ _ _	-2_ _ - 8_ _ _ _ _ _ _ SPI	0,4	1,1	3,5	0,4	1,1	3,5	1,4	3,7	-	0,7	1,3	3,3	1,3	2,6	-	0,8	1,8	5,4
RFD-40_ _ _	-2_ _ - 61_ _ _ _ _ _ CAN single																		
RFE-32_ _ _	-2_ _ - 65_ _ _ _ _ _ CAN single																		
RFX-69_ _ _	-2_ _ - A_ _ _ _ _ _ _ IO-Link single																		
RFA-40_ _ _	-7_ _ _ _ _ _ _ _ _ _ * analog red. *																		
RFC-48_ _ _	-8_ _ _ _ _ _ _ _ _ _ * analog red. *																		
RFD-40_ _ _	-2_ _ - 62_ _ _ _ _ _ CAN red.							2,5	6,4	-				2,3	4,5		1,1	2,4	6,7
RFE-32_ _ _	-2_ _ - 66_ _ _ _ _ _ CAN red.	0,7	1,8	5,2	0,7	1,8	5,2				1,1	2	4,6						
RFX-69_ _ _	-6_ _ _ _ _ _ _ _ _ _ analog single -7_ _ _ _ _ _ _ _ _ _ analog red. -8_ _ _ _ _ _ _ _ _ _ analog red.																1,1	2,4	6,7
RFC-48_ _ _	-2_ _ - 4_ _ _ _ _ _ _ SSI -2_ _ - 5_ _ _ _ _ _ _ Incremental	0,4	0,7	2,2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* außer RFX / except RFX