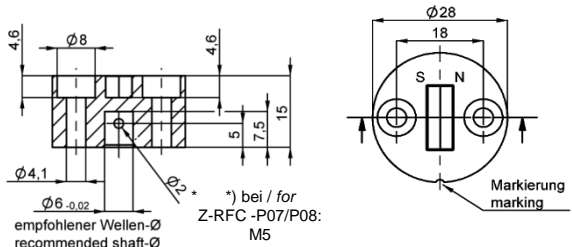


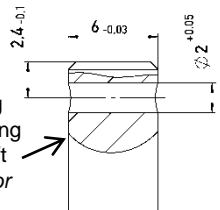
Z-RFC-P01 / P02 / P07 / P08 / P41 / P47



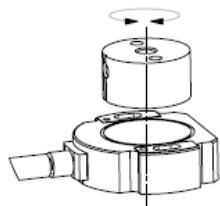
empfohlener Wellen-Ø
recommended shaft-Ø

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

Bei / for Z-RFC-P01-P02 Ausführung Welle (empfohlen) Recommended shaft setup



Querbohrung
für Befestigung
mit Spannstift
Cross hole for
fixation with
locking pin

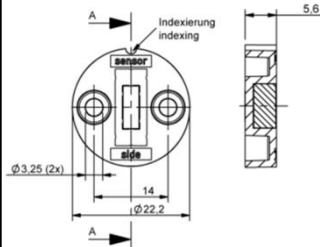


Indexpunkt / Index position

Montagehinweise Installation instructions

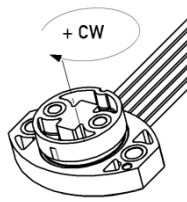
Axiale Montage mit
2 Schrauben M4 x 20,
max. Drehmoment 300 Ncm
Radiale Montage mit
Gewindestift M5,
max. Drehmoment 120 Ncm
Axial mounting with
2 screws M4 x 20, max.
tightening torque 300 Ncm
Radial mounting with
threaded pin M5, max.
tightening torque 120 Ncm

Z-RFC-P30



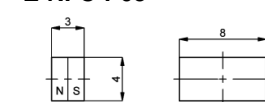
Montagehinweise Installation instructions

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

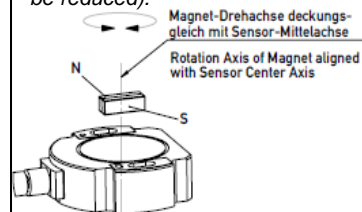


Z-RFC-P04



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).



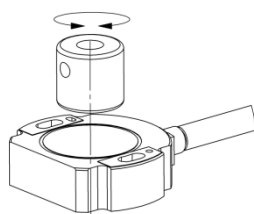
Indexpunkt / Index position

Z-RFC-P23 / P43

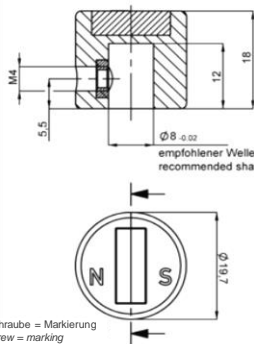
Ausführung Welle (empfohlen) Recommended shaft setup

Kann unbearbeitet sein, aber eine Abflachung an der Schraubenauflage wird empfohlen für Befestigung mit Gewindestift

May be without treatment, but a flattening is recommended at screw pressing point for fixation with threaded pin



Indexpunkt / Index position



Montagehinweise Installation instructions

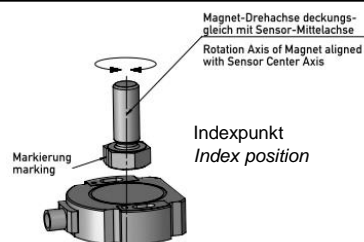
Radiale Montage mit Gewindestift M4, max. Drehmoment 100 Ncm (nach 5 Min. nachziehen für dauerhaft maximale Haltekraft)

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

Montagehinweise / Installation instructions

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

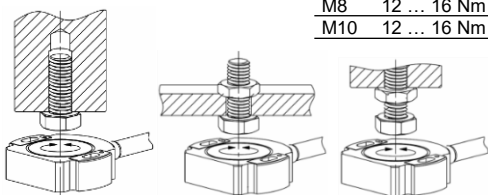
Directly screwed or secured by mounting nut. It is absolutely recommended to secure the position marker against rotation.



Max. Drehmoment / max. tightening torque

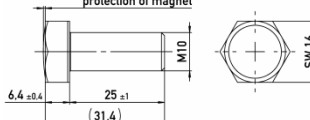
Z-RFC-P16	Z-RFC-P18
Z-RFC-P17	Z-RFC-P19
Z-RFC-P20	

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



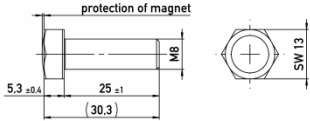
Z-RFC-P16*

- 0.5 Magnetschutz
protection of magnet



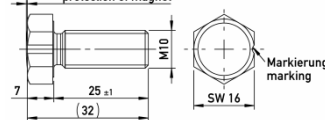
Z-RFC-P17*

- 0.5 Magnetschutz
protection of magnet



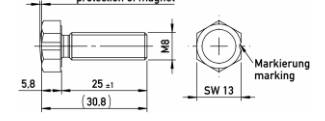
Z-RFC-P18

- 0.2 Magnetschutz
protection of magnet

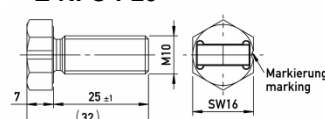


Z-RFC-P19

- 0.2 Magnetschutz
protection of magnet



Z-RFC-P20



*) Positionsgeber drehen bis Ausgangssignal innerhalb Kennlinie ist
*) Rotate position marker until output signal is within output characteristic

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	P02 / P08	P03	P04	P16 / P18	P17 / P19	P20	P23	P30	P41 / P47	P43
RFC-4801/4802/ 4853/4854/ 4861/4862	-6_ _ _ _ _ analog single -2_ _ - 8_ _ _ _ SPI	0 ... 1,5	0 ... 4	0 ... 1,5	0 ... 4	0 ... 4,5	0 ... 2,2	0 ... 4	0 ... 4	0 ... 1,5	0 ... 2,7	0 ... 2,7
RFC-4801/4802/ 4853/4854/ 4861/4862	-7_ _ _ _ _ analog red. -8_ _ _ _ _ analog red.	0 ... 1,5	0 ... 4	0 ... 1,5	0 ... 4	0 ... 4	0 ... 1,7	0 ... 4	0 ... 4	0 ... 1,5	0 ... 2,3	0 ... 2,3
RFC-4801/4802	-2_ _ - 4_ _ _ _ SSI -2_ _ - 5_ _ _ _ Incremental	-	0 ... 1,4	-	0 ... 1,4	-	-	0 ... 1,4	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	0,7 ... 2,2	2,3 ... 5	0 ... 4,5	0 ... 2,2	2,3 ... 5	2,3 ... 5	0,7 ... 2,2	0 ... 2,7	0 ... 2,7
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	0,3 ... 1,8	1,9 ... 4,5	0 ... 4	0 ... 1,7	1,9 ... 4,5	1,9 ... 4,5	0,3 ... 1,8	0 ... 2,3	0 ... 2,3
RFC-4863/4864	-6_ _ _ _ _ analog single	0,7 ... 2,2	2,3 ... 5	0,7 ... 2,2	2,3 ... 5	0 ... 4	0 ... 2,2	2,3 ... 5	2,3 ... 5	0,7 ... 2,2	0 ... 2,7	0 ... 2,7
RFC-4863/4864	-7_ _ _ _ _ analog red. -8_ _ _ _ _ analog red.	0,3 ... 1,8	1,9 ... 4,5	0,3 ... 1,8	1,9 ... 4,5	0 ... 3,5	0 ... 1,7	1,9 ... 4,5	1,9 ... 4,5	0,3 ... 1,8	0 ... 2,3	0 ... 2,3
RFD-4021/4031	-6_ _ _ _ _ analog single	-	-	1 ... 3	2,8 ... 6,2	0 ... 5	0 ... 2,8	2,8 ... 6,2	2,8 ... 6,2	1,2 ... 2,7	-	0,9 ... 3,4
RFD-4021/4031	-7_ _ _ _ _ analog red. -8_ _ _ _ _ analog red.	-	-	0,6 ... 2,6	2,8 ... 6,2	0 ... 4,5	0 ... 2,3	2,8 ... 6,2	2,8 ... 6,2	0,7 ... 2,3	-	0,5 ... 2,9
RFX-6901	-6_ _ _ _ _ analog single -7_ _ _ _ _ analog red. -8_ _ _ _ _ analog red. -2_ _ - 62_ _ _ CAN red. -2_ _ - 66_ _ _ CAN red.	-	0,3 ... 3,5	-	0,3 ... 3,5	0 ... 2,5	-	0,3 ... 3,5	0,3 ... 3,5	-	-	-
	-2_ _ - 61_ _ _ CAN single -2_ _ - 65_ _ _ CAN single	-	0,8 ... 4	-	0,8 ... 4	0 ... 3	-	0,8 ... 4	0,8 ... 4	-	-	-
RFE-3201	-6_ _ _ _ _ analog single -2_ _ - 61_ _ _ CAN single -2_ _ - 65_ _ _ CAN single	-	-	0,4 ... 1,9	2 ... 4,7	0 ... 4	0 ... 1,8	2 ... 4,7	2 ... 4,7	0,4 ... 1,9	-	0 ... 2,4
RFE-3201	-7_ _ _ _ _ analog red. -8_ _ _ _ _ analog red. -2_ _ - 62_ _ _ CAN red. -2_ _ - 66_ _ _ CAN red.	-	-	0 ... 1,5	1,6 ... 4,2	0 ... 3,5	0 ... 1,3	1,6 ... 4,2	1,6 ... 4,2	0 ... 1,5	-	0 ... 2

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			Z-RFC-P41 / P43 / P47			Z-RFC-P01 / P03 / P07 / P30			Z-RFC-P16 / P18			Z-RFC-P17 / P19		
		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
RFA-40	-6_ _ _ _ _ analog single *															
RFC-48	-2_ _ - 8_ _ _ _ SPI															
RFD-40	-2_ _ - 61_ _ _ CANsingle	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	-
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	
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.															
RFC-48	-2_ _ - 4_ _ _ _ SSI -2_ _ - 5_ _ _ _ Incremental	0,4	0,7	2,2	-	-	-	-	-	-	-	-	-	-	-	-

* außer RFX / except RFX