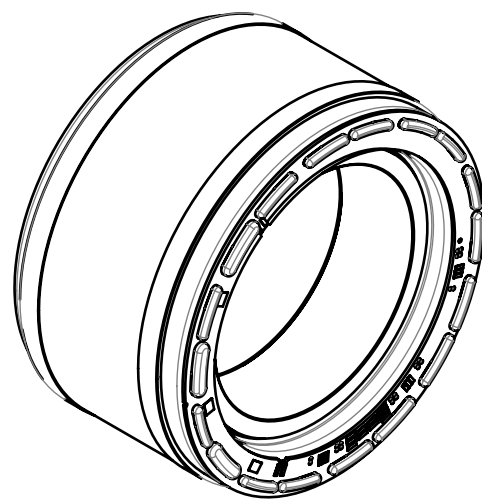
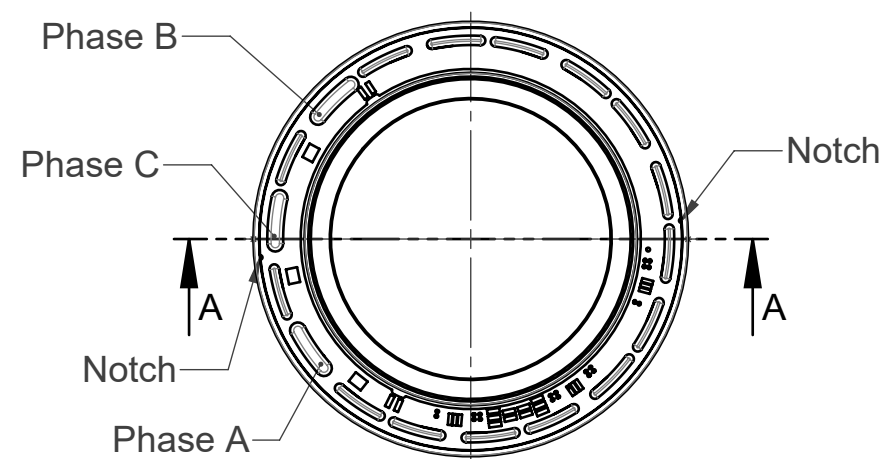
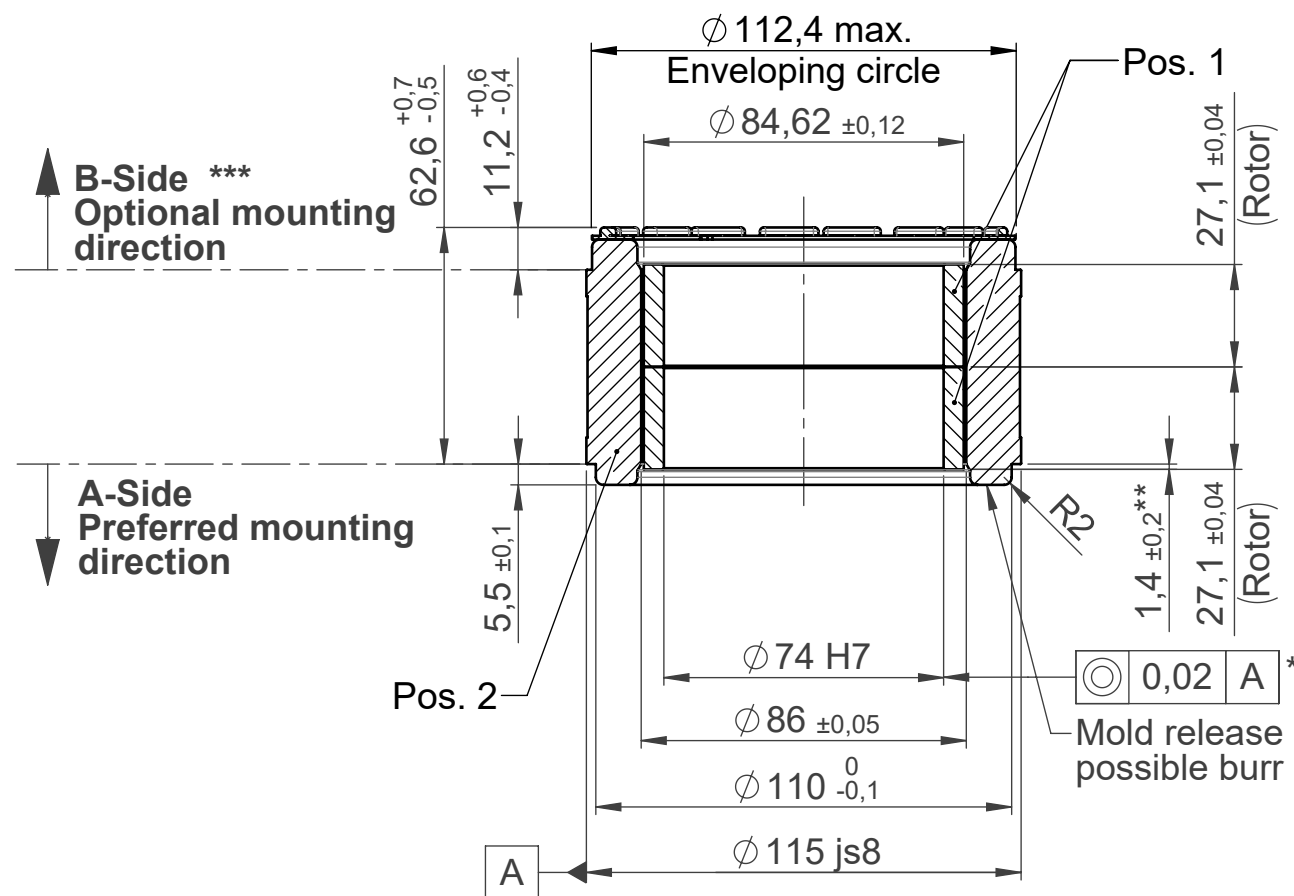


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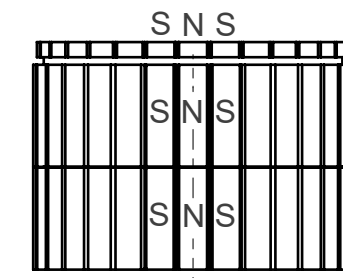
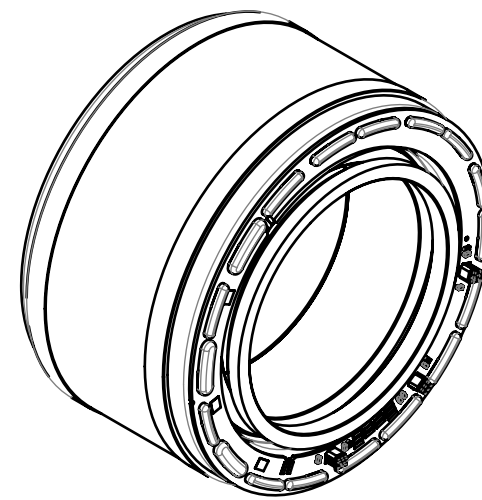
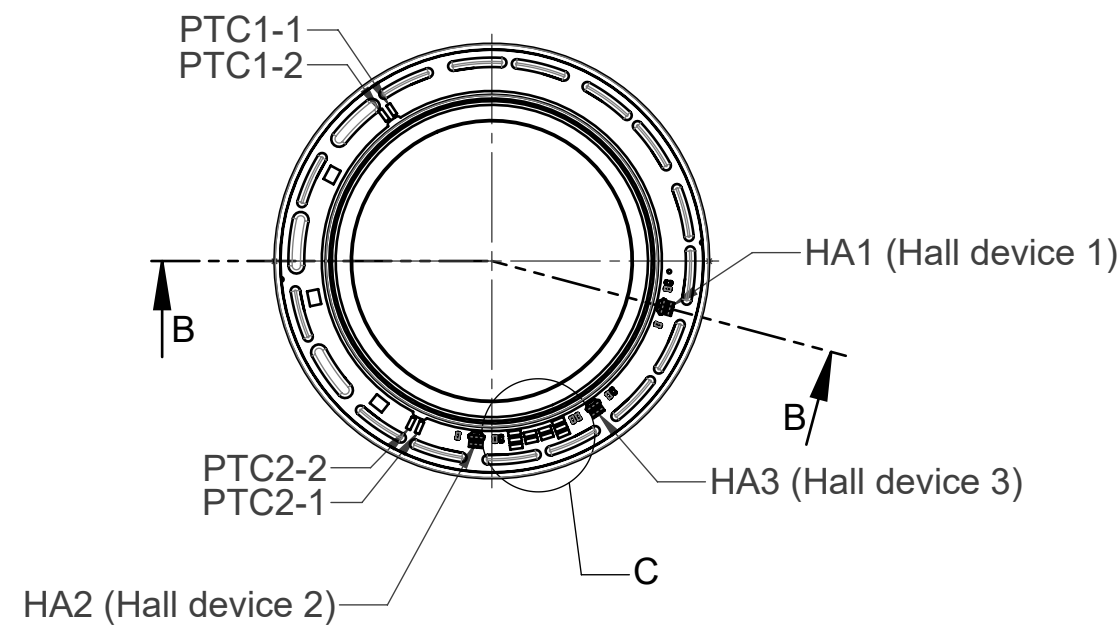
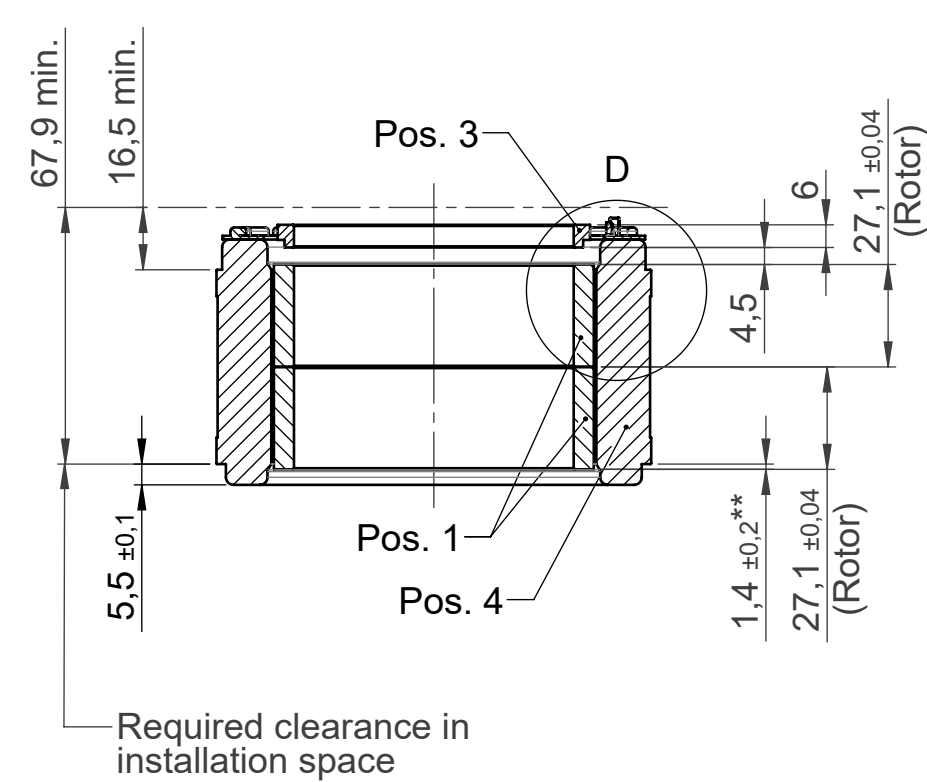
ILM115x50 SERVO KIT PCB ILM115x50 SERVO KIT PCB-T

Section A-A



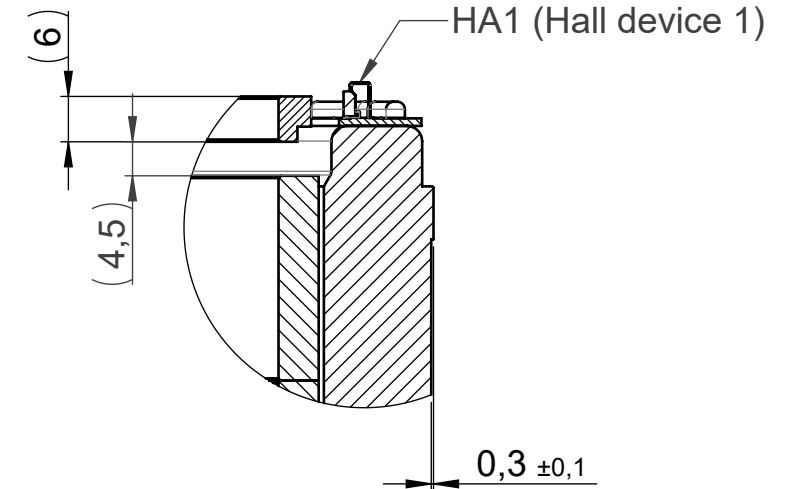
ILM115x50 SERVO KIT PCB-HD ILM115x50 SERVO KIT PCB-HD-T

Section B-B

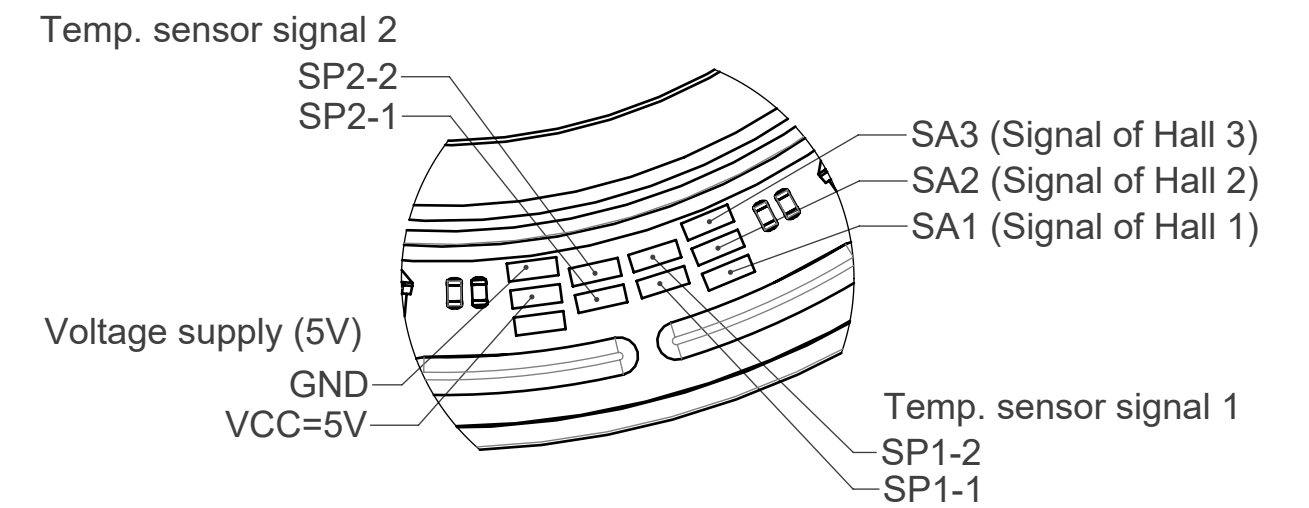


Rotor:
pay attention to the location
of the poles

DETAIL D
Scale 1 : 1



DETAIL C
Scale 2:1



For further technical information please refer to the datasheet
DRVA_DB-ILM-Kits_ILM115x50_Rev200

* In assembly

** Rotor position in relation to stator mounting edge

*** B-Side mounting requires additional TQ design support

Housing and shaft design according to installation dimensions of
motor housing and motor shaft.

Compliant to EU-RoHS and EU-REACH, latest edition.

ECR Number		ECR Name MeindIA		ECR Description Blatt 2: Tabelle angepasst (Verschaltungsvarianten Stern-Parallel und Delta-Parallel entfernt)		Engineering code E-00108697.01	
		Date		Name		Material	
		Prepared		31.08.2016		MeindIA	
		Checked		30.11.2021		StampfIM	
ISO 8015 DIN ISO 2768 f H		Approved		01.12.2021		Schwelle	
units in mm		Confidentiality level				Part name ILM115x50 SERVO KIT PCB Info	
Mass	Volume	Scale		1:2		Number	Rev.
		Format		A2		Ind. Sheet	
						317934.0101	
						1/4	

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ILM115x50 SERVO KIT PCB (Interconnection Type)

Identification	Position 1			Position 2		
	Order number	Order name	Amount	Order number	Order name	Amount
ILM115x50 SERVO KIT STD VSS	335069.0100	ILM115x25 Rotor	2	311742.0100	ILM115x50 Stator STD VSS	1
ILM115x50 SERVO KIT STD VDS	335069.0100	ILM115x25 Rotor	2	315855.0100	ILM115x50 Stator STD VDS	1
ILM115x50 SERVO KIT HS VSS	335069.0100	ILM115x25 Rotor	2	315832.0100	ILM115x50 Stator HS VSS	1
ILM115x50 SERVO KIT HS VDS	335069.0100	ILM115x25 Rotor	2	315841.0100	ILM115x50 Stator HS VDS	1

ILM115x50 SERVO KIT PCB-T (Option: Temperature sensor)

Identification	Position 1			Position 2		
	Order number	Order name	Amount	Order number	Order name	Amount
ILM115x50 SERVO KIT STD VSS-T	335069.0100	ILM115x25 Rotor	2	311789.0100	ILM115x50 Stator STD VSS-T	1
ILM115x50 SERVO KIT STD VDS-T	335069.0100	ILM115x25 Rotor	2	315869.0100	ILM115x50 Stator STD VDS-T	1
ILM115x50 SERVO KIT HS VSS-T	335069.0100	ILM115x25 Rotor	2	315863.0100	ILM115x50 Stator HS VSS-T	1
ILM115x50 SERVO KIT HS VDS-T	335069.0100	ILM115x25 Rotor	2	315865.0100	ILM115x50 Stator HS VDS-T	1

ILM115x50 SERVO KIT PCB-HD (Option: Hall Digital commutation)

Identification	Position 1			Position 3			Position 4		
	Order number	Order name	Amount	Order number	Order name	Amount	Order number	Order name	Amount
ILM115x50 SERVO KIT STD VSS-HD	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315852.0100	ILM115x50 Stator STD VSS-HD	1
ILM115x50 SERVO KIT STD VDS-HD	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315856.0100	ILM115x50 Stator STD VDS-HD	1
ILM115x50 SERVO KIT HS VSS-HD	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315833.0100	ILM115x50 Stator HS VSS-HD	1
ILM115x50 SERVO KIT HS VDS-HD	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315842.0100	ILM115x50 Stator HS VDS-HD	1

ILM115x50 SERVO KIT PCB-HD-T (Option: Hall Digital commutation + Temperature sensor)

Identification	Position 1			Position 3			Position 4		
	Order number	Order name	Amount	Order number	Order name	Amount	Order number	Order name	Amount
ILM115x50 SERVO KIT STD VSS-HD-T	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315859.0100	ILM115x50 Stator STD VSS-HD-T	1
ILM115x50 SERVO KIT STD VDS-HD-T	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315861.0100	ILM115x50 Stator STD VDS-HD-T	1
ILM115x50 SERVO KIT HS VSS-HD-T	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315848.0100	ILM115x50 Stator HS VSS-HD-T	1
ILM115x50 SERVO KIT HS VDS-HD-T	335069.0100	ILM115x25 Rotor	2	241976.0100	ILM115 Kommutierungsring	1	315850.0100	ILM115x50 Stator HS VDS-HD-T	1

Product configuration code:

ILM115x50 SERVO KIT XXX YYY - HD - T

Lamination grade:

STD Standard
HS High Speed

Interconnection:

VSS Star-Serial
VDS Delta-Serial

Feedback:

HD Hall Digital

Configuration:

T Temperature sensor

Compliant to EU-RoHS and EU-REACH, latest edition.

ECR Number		ECR Name MeindlA		ECR Description Blatt 2: Tabelle angepasst (Verschaltungsvarianten Stern-Parallel und Delta-Parallel entfernt)		Engineering code E-00108697.01				
			Date	Name	Material					
		Prepared	31.08.2016	MeindlA						
		Checked	30.11.2021	StampflM	Part name ILM115x50 SERVO KIT PCB Info					
		Approved	01.12.2021	Schwelle						
 units in mm		ISO 8015		Confidentiality level			Number	Rev.	Ind.	Sheet
Mass	Volume		Scale 1:1	Format A3	317934.0101			2/4		

1 2 3 4 5 6 7 8

A

B

C

D

E

F

DETAIL C
Scale 3 : 1

0,5 x 45°

R2,2-0,1

R0,2 max.

0,2 x 45°

Index hole

4 ±0,2

(1,5 min.)

0,2⁰_{-0,05} x 45°

R0,2 max.

DETAIL B
Scale 1:1

A-Side
Preferred mounting
direction

5,7^{+0,05}₀

52,4

25,7

(0,2^{***})

Ø 0,9 Injection hole
(2x)

D

30°

>3,5^{**}

Rz 10

Ø 110,4^{+0,1}₀

Ø 91^{****}

Ø 115 H7^{+0,035}₀

Ø 115,4^{****}

1,4 ±0,2

C

Keep 8 to 10mm
free space to wiring

DETAIL D
Scale 1:1

Rz 10

15°*

Ø 76 ±0,05

>4^{**}

(0,1)

(0,1)

6^{+0,2}₀

0,4*

21,1⁰_{-0,1}

3^{+0,1}₀

3^{+0,1}₀

54,2

Ø 74 h6⁰_(-0,019)

* Recommended slip bevel
** Recommended wall thickness
*** Suggested dimension for air and creeping distances (<50V) UL and NRTL certification
**** Proposal to simplify cleaning after gluing

Rz 16 (✓)

DIN ISO 13715

Compliant to EU-RoHS and EU-REACH, latest edition.

ECR Number		ECR Name MeindlA		ECR Description Blatt 2: Tabelle angepasst (Verschaltungsvarianten Stern-Parallel und Delta-Parallel entfernt)		Engineering code E-00108697.01	
		Prepared	31.08.2016	Name MeindlA	Part name ILM115x50 Einbau Stator PCB / PCB-T - Rotor		
		Checked	30.11.2021	StampfIM			
		Approved	01.12.2021	Schwelle			
ISO 8015 DIN ISO 2768 f H		Confidentially level		Number		Rev.	Ind. Sheet
Mass	Volume	Scale 1:1		Format A3		317934.0101	
						3/4	

1 2 3 4 5 6 7 8




Compliant to EU-RoHS and EU-REACH, latest edition.

ECR Number		ECR Name MeindlA		ECR Description Blatt 2: Tabelle angepasst (Verschaltungsvarianten Stern-Parallel und Delta-Parallel entfernt)		Engineering code E-00108697.01			
			Date	Name	Material				
		Prepared	31.08.2016	MeindlA					
		Checked	30.11.2021	StampfIM	Part name ILM115x50 Einbau Stator PCB / PCB-T - Rotor				
		Approved	01.12.2021	Schwelle					
 units in mm		Confidentially level			Number	Rev.	Ind.	Sheet	
					317934.0101			3/4	
Mass	Volume		Scale 1:1	Format A3					

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