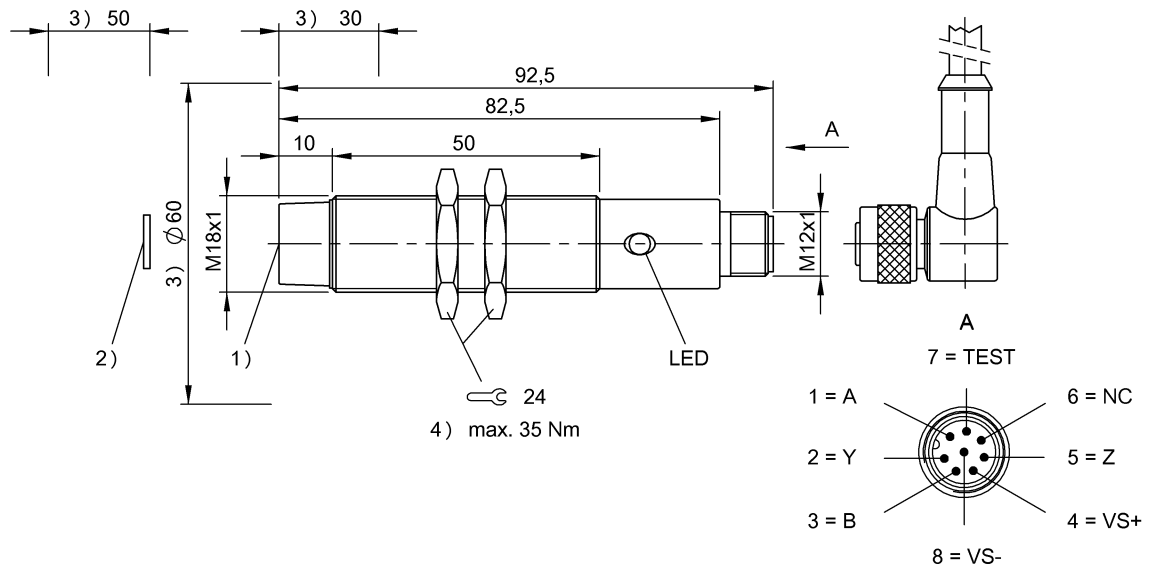


BIS M-302-001-S115
Ordering code: BIS0057

Read/write head
 BIS M

Clear zone

BALLUFF
 sensors worldwide



1) Active surface, 2) Data carrier, 3) Clear zone, 4) Tightening torque

Characteristic data

Degree of protection as per IEC 60529 IP67

Mechanical data

Ambient temperature	0...+70 °C
Storage temperature	-20 °C ... +85 °C
Housing material	CuZn nickel plated
Antenna type	Round
Free fall	EN 60068 Part 2-32
Shock rating	EN 60068 Part 2-27
Continuous shock load	EN 60068 Part 2-29
Vibration rating	EN 60068 Part 2-6
Application weight	52 g

Remarks

For installation in metal: Observe clear zone.

First ordering you need the cable: BIS Z-501-PU1-05/E BIS Z-501-PU1-10/E
 BIS Z-501-PU1-15/E BIS Z-501-PU1-20/E BIS Z-501-PU1-25/E BIS
 Z-501-PU1-50/E BIS Z-501-PU1-00,5/M BIS Z-501-PU1-01/M BIS
 Z-501-PU1-02/M BIS Z-501-PU1-05/M BIS Z-502-PU1-05/E BIS
 Z-502-PU1-10/E BIS Z-502-PU1-15/E BIS Z-502-PU1-20/E BIS
 Z-502-PU1-25/E BIS Z-502-PU1-50/E BIS Z-502-PU1-00,5/M BIS
 Z-502-PU1-01/M BIS Z-502-PU1-02/M BIS Z-502-PU1-05/M
 Values are under rated conditions unless otherwise specified.
 for mounting use only included nuts
 only for use with BIS M-6...

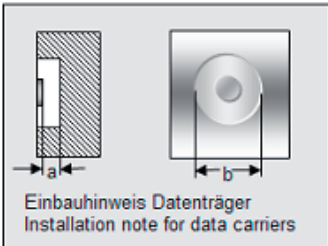


Definitions see main catalog

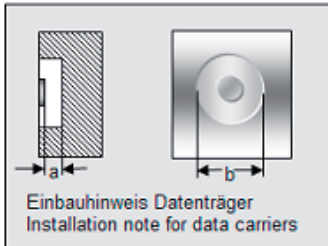
subject to change

BIS M-302-__

passende Datenträger Appropriate data carriers		BIS M-101-01/L			BIS M-102-01/L			BIS M-105-01/A			BIS M-105-02/A			BIS M-122-01/A		
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm		>25	>10	>5	>50	>25	>10	>10	>0		>10	>0		>10	>0	
Freizone Datenträger in mm (b) Data carrier clear zone in mm		>60	>50	>50	>60	>50	>50	>60	>0		>60	>0		>60	>0	
Schreibabstand in mm Write distance in mm		0-16	0-15	0-10	0-20	0-18	0-10	0-7	0-5		0-9	0-6		0-7	0-5	
Leseabstand in mm Read distance in mm		0-16	0-15	0-10	0-20	0-18	0-10	0-7	0-5		0-9	0-6		0-7	0-5	
Versatz in mm bei Abstand von		0	±10	±8	±4	±18	±14	±8	±5	±4		±5	±5		±4	±3
		5	±10	±8	±4	±18	±14	±6	±4	±3		±5	±3.5		±3	±2
		9	±10	±7	±2	±16	±12	±4				±3.5				
Offset in mm at distance		12	±8	±6		±14	±8									
		15	±7	±4		±12	±6									
		16	±4			±10	±4									
		18				±8	±4									
		20				±4										
		22														
		25														
		30														
		32														
		35														
		40														
		43														
		45														
		50														
		52														
		60														
		65														
		70														

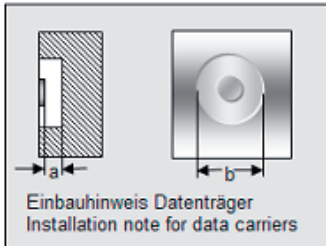


Einbauhinweis Datenträger
Installation note for data carriers



BIS M-302-__

passende Datenträger Appropriate data carriers	BIS M-122-02/A			BIS M-108-02/L			BIS M-110-02/L			BIS M-111-02/L			BIS M-112-02/L		
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm	>10	>0		>25	>0		>25	>10	>5	>25	>10	>5	>50	>25	>20
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>60	>0		>60	>0		>80	>50	>50	>80	>50	>50	>150	>90	>70
Schreibabstand in mm Write distance in mm	0-9	0-6		0-20	0-12		0-16	0-12	0-8	0-20	0-12	0-5	0-30	0-22	0-12
Leseabstand in mm Read distance in mm	0-9	0-6		0-20	0-12		0-16	0-12	0-8	0-20	0-12	0-5	0-30	0-22	0-12
Versatz in mm bei Abstand von	0	±4	±3	±14	±10		±8	±6	±4	±12	±8	±7	±20	±16	±14
	5	±3	±2	±12	±8		±8	±6	±4	±12	±8	±4	±20	±16	±14
	9			±12	±6		±6	±5		±10	±6		±18	±16	±10
Offset in mm at distance	12			±10	±4		±4	±3		±10	±4		±18	±14	±6
	15			±10			±4			±10			±18	±14	
	16			±7			±3			±5			±16	±12	
	18			±7						±5			±16	±12	
	20			±5						±5			±16	±12	
	22												±12	±8	
	25												±12		
	30												±8		
	32														
	35														
	40														
	43														
	45														
	50														
	52														
	60														
	65														
	70														



BIS M-302-__

passende Datenträger Appropriate data carriers	BIS M-140-02/A- M6	BIS M-142-02/A- M6	BIS M-143-02/A- M8	BIS M-144-02/A- M6	
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm	>0	>0	>0	>0	
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>100	>100	>100	>100	
Schreibabstand in mm Write distance in mm	0-14	0-14	0-10	0-14	
Leseabstand in mm Read distance in mm	0-14	0-14	0-10	0-14	
Versatz in mm bei Abstand von	0 ±8	±8	±5	±6	
	5 ±8	±8	±5	±6	
	9 ±8	±8	±3	±6	
Offset in mm at distance	12 ±8	±8		±6	
	14 ±6	±8		±6	
	16				
	18				
	20				
	22				
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	70				

