



Incremental rotary encoder ENI58IL-S*

- Housing Ø 58 mm
- Solid shaft
- Servo or clamping flange
- Universal output driver
- BlueBeam technology for ultimate precision
- Up to 5000 pulses
- Housing powder coated

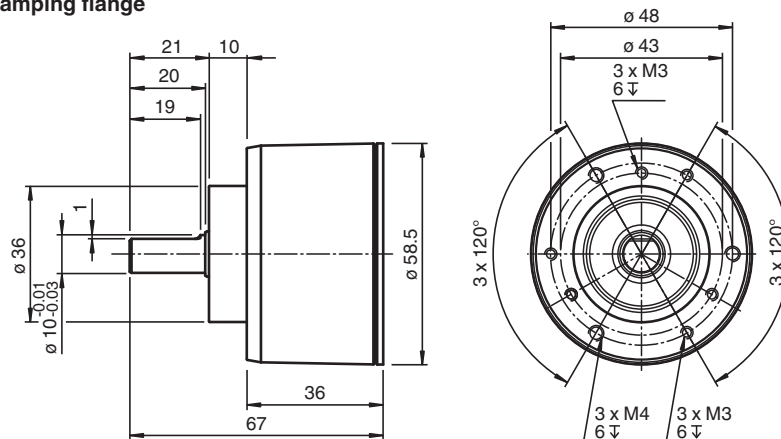


Function

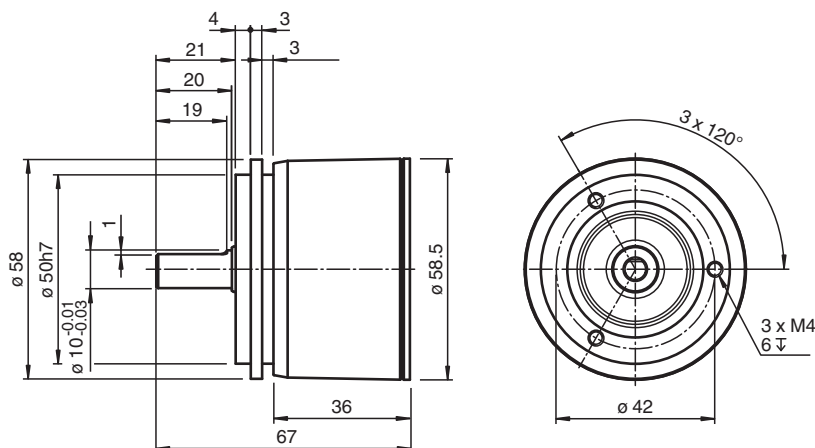
The ENI58IL impresses with its modular design, which is available over all mechanical and electrical interfaces. The ENI58IL is the best solution for all common applications, coupled with its high robustness, high reliability and versatility. With the high-precision BlueBeam technology and innovative housing design, the ENI58IL is the new market standard for incremental encoders.

Dimensions

Clamping flange

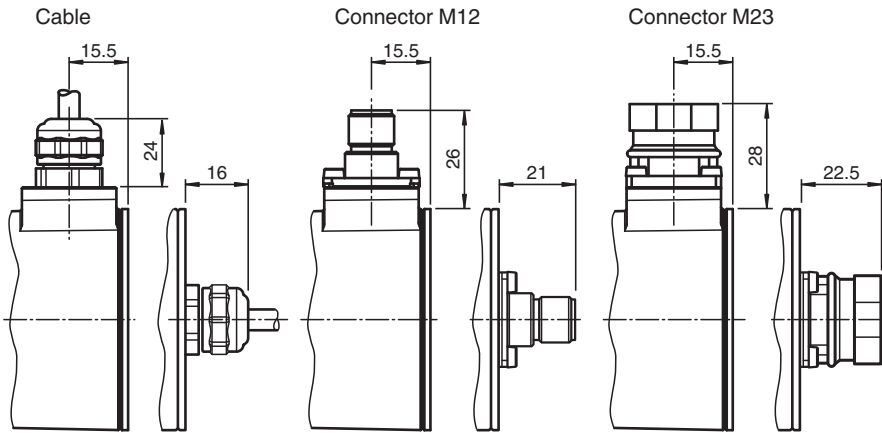


Servo flange

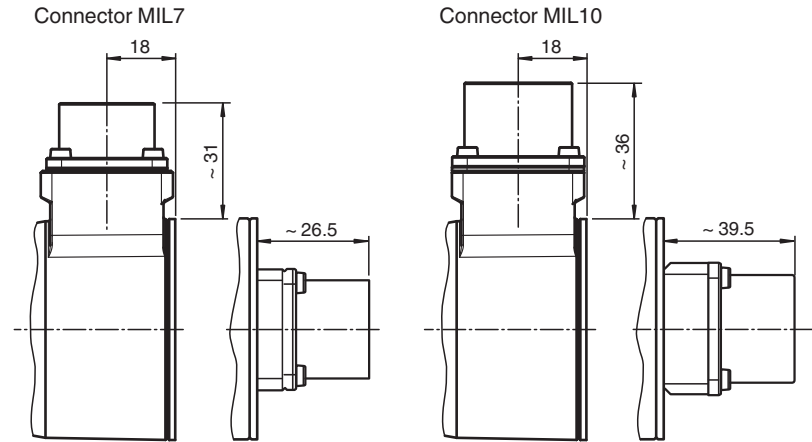


Dimensions

Connections



Connections



Technical Data

General specifications			
Detection type		photoelectric sampling	
Linearity error		± 0.025 °	
Pulse count		max. 5000	
Electrical specifications			
Operating voltage	U _B	4.75 ... 30 V DC , Reverse polarity protection	
No-load supply current	I ₀	max. 50 mA	
Output			
Output type		push-pull or RS422 (universal output driver, output level depending on input voltage)	
Load current		max. per channel 40 mA , short-circuit protected	
Output frequency		max. 400 kHz	
Rise time		300 ns	
Phase position A to B			
Pulse counts < 3600		90 ° ± 9 ° electrical	
Pulse counts ≥ 3600		90 ° ± 15 ° electrical	
Duty cycle		1/2 ± 10 %	
Connection			
Connector		M12 connector, 8-pin M12 connector, 5 pin M23 connector, 12-pin 10-pin MIL connector 7-pin MIL connector	
Cable		Ø6 mm, 4 x 2 x 0.14 mm ²	

Release date: 2026-06-01 Date of issue: 2026-06-01 Filename: t215147_eng.pdf

Technical Data

Standard conformity

Degree of protection	DIN EN 60529, IP65, IP67
Climatic testing	DIN EN 60068-2-78 , no moisture condensation
Emitted interference	EN IEC 61000-6-4:2019
Noise immunity	EN IEC 61000-6-2:2019
Shock resistance	DIN EN 60068-2-27, 300 g, 6 ms
Vibration resistance	DIN EN 60068-2-6, 30 g, 10 ... 2000 Hz

Approvals and certificates

UL approval	E223176 , cULus Listed, General Purpose, Class 2 Power Source, Type 1 enclosure , if UL marking is marked on the product. For use in NFPA 79 Applications only. adapters providing field wiring on request
Maximum permissible ambient temperature	max. 80 °C (max. 176 °F)

Ambient conditions

Operating temperature	-40 ... 85 °C (-40 ... 185 °F) , cable, fixed installation -5 ... 85 °C (23 ... 185 °F) , cable, movable installation
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Material	
Housing	powder coated aluminum
Flange	aluminum, blank
Shaft	Solid shaft Stainless steel
Mass	< 300 g without cable
Rotational speed	max. 12000 min ⁻¹ for IP65 max. 6000 min ⁻¹ for IP67
Moment of inertia	≤ 35 gcm ²
Starting torque	≤ 0.01 Nm for IP65 ≤ 0.025 Nm for IP67
Shaft load	
Axial	40 N at max. 6000 min ⁻¹ 10 N at max. 12000 min ⁻¹
Radial	80 N at max. 6000 min ⁻¹ 20 N at max. 12000 min ⁻¹
Dimensions	
Diameter	58.5 mm

Type Code

Structure of the type code

E	N	I	5	8	I	L	-	S	(1)	(1)	(2)	(2)	(3)	-	(4)	(4)	(4)	(4)	(5)	(5)	(5)	-	(6)	(7)	(7)
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ENI	Device type
ENI	Incremental rotary encoder

58	Size
58	Housing diameter 58 mm

IL	Version
IL	Industrial Line

S	Shaft type
S	Solid shaft

(1) (1)	Shaft diameter*
06	6 x 10 mm
10	10 x 20 mm
12	12 x 20 mm
U2	1/4 inch x 23 mm
U3	3/8 inch x 23 mm

(2) (2)	Flange
CA	Clamping flange

Type Code

(2) (2)	Flange
SA	Servo flange

(3)	Degree of protection
5	IP65
7	IP67

(4) (4) (4) (4)	Pulse count*
0100	100 pulses
0200	200 pulses
0360	360 pulses
0500	500 pulses
1000	1000 pulses
1024	1024 pulses
1250	1250 pulses
2000	2000 pulses
2048	2048 pulses
2500	2500 pulses
3600	3600 pulses
4000	4000 pulses
4096	4096 pulses
5000	5000 pulses

(5) (5) (5)	Electrical interface
UD1	Universal output driver, U_B 5 V ... 30 V
UD2	RS422, U_B 5 V ... 30 V

(6)	Connection alignment
A	Axial
R	Radial

(7) (7)	Connection type*
C1	Cable, 1 m
C2	Cable, 2 m
C3	Cable, 3 m
C5	Cable, 5 m
CA	Cable, 10 m
AA	M23 device plug, clockwise (type 9416)
AB	M23 device plug, counterclockwise (type 9416L)
BE	M12 device plug, 8-pin (type V19)
BD	M12 device plug, 5-pin (type V15)
MA	MIL7 connector (type 9415)
MB	MIL10 connector (type 9419)

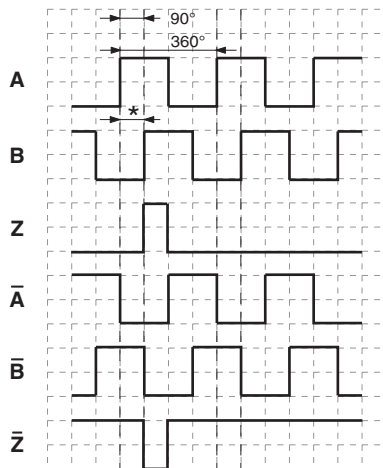
*) additional options upon request

Connection

Signal	Cable	Connector M23, 12-pin, clockwise	Connector M23, 12-pin, counter- clockwise	Connector M12 x 1, 8-pin	Connector M12 x 1, 5-pin	Connector MIL7, 7-pin	Connector MIL10, 10-pin
GND	White	10	10	1	3	F	F
U _b	Brown	12	12	2	1	D	D
A	Green	5	5	3	2	A	A
B	Grey	8	8	5	4	B	B
$\bar{A}$	Yellow	6	6	4	-	-	H
$\bar{B}$	Pink	1	1	6	-	-	I
Z	Blue	3	3	7	5	C	C
$\bar{Z}$	Red	4	4	8	-	-	J
NC	Violet	2	2	-	-	E	E
NC	Grey/Pink	7	7	-	-	-	-
NC	-	9	9	-	-	-	-
NC	Black	11	11	-	-	-	-
Shielding	Shield	Housing	Housing	Housing	Housing	G	G
	Note: Unused cores must be insulated individually before commissioning in order to avoid interference.						

Operation

Signal outputs



↻ cw - with view onto
the shaft
phase relationships
electrical
* 1 Measuring step is
90° electrical



Incremental rotary encoder

ENI58IL-S**Q*

- Housing Ø 58 mm
- Solid shaft
- Up to 1500 ppr
- Square flange
- Universal output driver
- BlueBeam technology for ultimate precision
- Housing powder coated

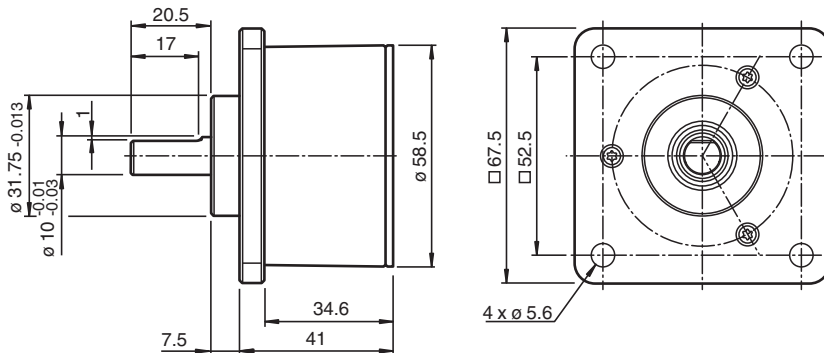


Function

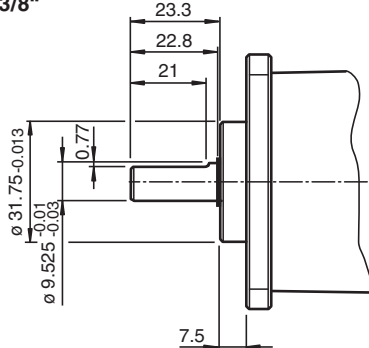
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Dimensions

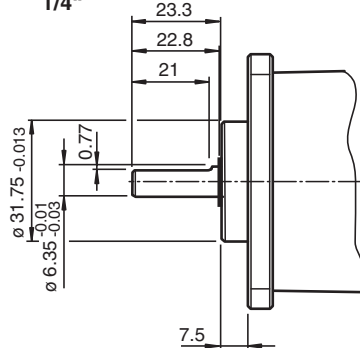
10 x 20



3/8"

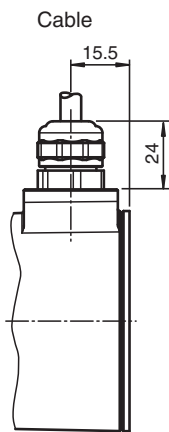


1/4"

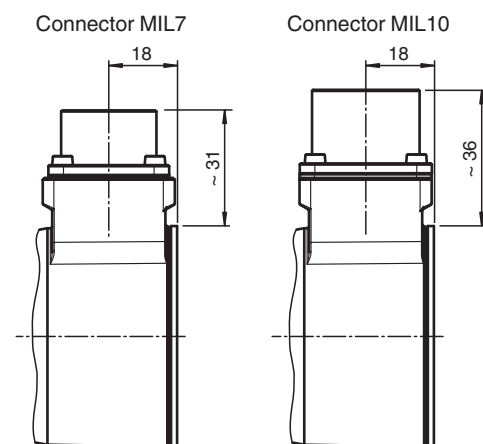


Dimensions

Connections



Connections



Technical Data

General specifications

Detection type	photoelectric sampling
Linearity error	$\pm 0.025^\circ$
Pulse count	max. 1500

Electrical specifications

Operating voltage	U_B	4.75 ... 30 V DC , Reverse polarity protection
No-load supply current	I_0	max. 50 mA

Output

Output type	push-pull or RS422 (universal output driver, output level depending on input voltage)
Load current	max. per channel 40 mA , short-circuit protected
Output frequency	max. 400 kHz
Rise time	300 ns
Phase position A to B	
Pulse counts < 3600	$90^\circ \pm 9^\circ$ electrical
Pulse counts ≥ 3600	$90^\circ \pm 15^\circ$ electrical
Duty cycle	$1/2 \pm 10\%$

Connection

Connector	10-pin MIL connector 7-pin MIL connector
Cable	$\varnothing 6$ mm, 4 x 2 x 0.14 mm ²

Standard conformity

Degree of protection	DIN EN 60529, IP65, IP67
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Release date: 2026-06-01 Date of issue: 2026-06-01 Filename: t215148_eng.pdf

Technical Data

Climatic testing	DIN EN 60068-2-78 , no moisture condensation
Emitted interference	EN IEC 61000-6-4:2019
Noise immunity	EN IEC 61000-6-2:2019
Shock resistance	DIN EN 60068-2-27, 300 g, 6 ms
Vibration resistance	DIN EN 60068-2-6, 30 g, 10 ... 2000 Hz
Approvals and certificates	
UL approval	E223176 , cULus Listed, General Purpose, Class 2 Power Source, Type 1 enclosure , if UL marking is marked on the product. For use in NFPA 79 Applications only. adapters providing field wiring on request
Maximum permissible ambient temperature	max. 80 °C (max. 176 °F)
Ambient conditions	
Operating temperature	-40 ... 85 °C (-40 ... 185 °F) , cable, fixed installation -5 ... 85 °C (23 ... 185 °F) , cable, movable installation
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Material	
Housing	powder coated aluminum
Flange	aluminum, blank
Shaft	Solid shaft Stainless steel
Mass	< 400 g without cable
Rotational speed	max. 12000 min ⁻¹ for IP65 max. 6000 min ⁻¹ for IP67
Moment of inertia	≤ 35 gcm ²
Starting torque	≤ 0.01 Nm for IP65 ≤ 0.025 Nm for IP67
Shaft load	
Axial	40 N at max. 6000 min ⁻¹ 10 N at max. 12000 min ⁻¹
Radial	80 N at max. 6000 min ⁻¹ 20 N at max. 12000 min ⁻¹
Dimensions	
Diameter	58.5 mm

Type Code

Structure of the type code

E	N	I	5	8	I	L	-	S	(1)	(1)	Q	A	(2)	-	(3)	(3)	(3)	(3)	(4)	(4)	(4)	-	(5)	(6)	(6)
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ENI	Device type
ENI	Incremental rotary encoder
58	Size
58	Housing diameter 58 mm
IL	Version
IL	Industrial Line
S	Shaft type
S	Solid shaft
(1) (1)	Shaft diameter*
U2	1/4 Zoll x 23 mm
U3	3/8 Zoll x 23 mm
QA	Flange
QA	Square flange
(2)	Degree of protection
5	IP65
7	IP67

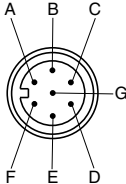
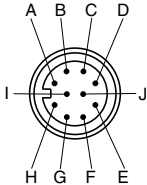
Release date: 2026-06-01 Date of issue: 2026-06-01 Filename: t215148_eng.pdf

Type Code

(3) (3) (3) (3)	Pulse count*
0360	360 pulses
1000	1000 pulses
1500	1500 pulses
(4) (4) (4)	Electrical interface
UD1	Universal output driver, U_B 5 V ... 30 V
UD2	RS422, U_B 5 V ... 30 V
(5)	Connection alignment
R	Radial
(6) (6)	Connection type*
C2	Cable, 2 m
MA	MIL7 connector (type 9415)
MB	MIL10 connector (type 9419)

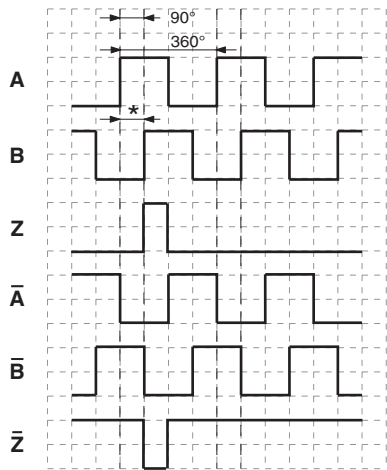
*) additional options upon request

Connection

Signal	Cable	Connector MIL7, 7-pin	Connector MIL10, 10-pin
GND	White	F	F
U _B	Brown	D	D
A	Green	A	A
B	Grey	B	B
$\bar{A}$	Yellow	-	H
$\bar{B}$	Pink	-	I
Z	Blue	C	C
$\bar{Z}$	Red	-	J
NC	Violet	E	E
NC	Grey/Pink	-	-
NC	-	-	-
NC	Black	-	-
Shielding	Shield	G	G
	Note: Unused cores must be insulated individually before commissioning in order to avoid interference.		

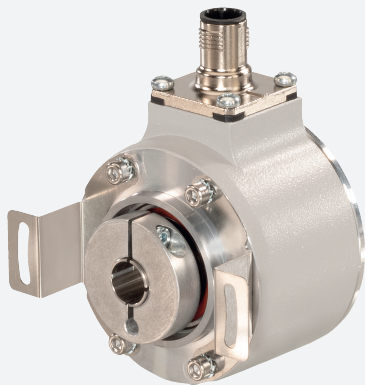
Operation

Signal outputs



↻ cw - with view onto the shaft
phase relationships electrical
* 1 Measuring step is 90° electrical

Release date: 2026-06-01 Date of issue: 2026-06-01 Filename: 1215148_eng.pdf



Incremental rotary encoder ENI58IL-H*

- Housing Ø 58 mm
- Hollow shaft
- Universal output driver
- BlueBeam technology for ultimate precision
- Up to 5000 pulses
- Housing powder coated

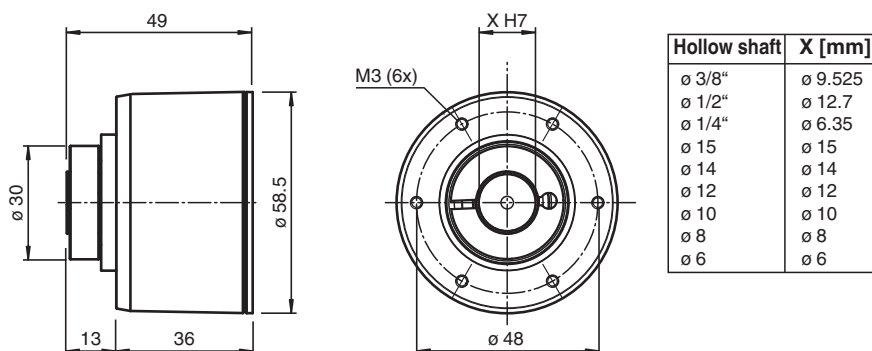


Function

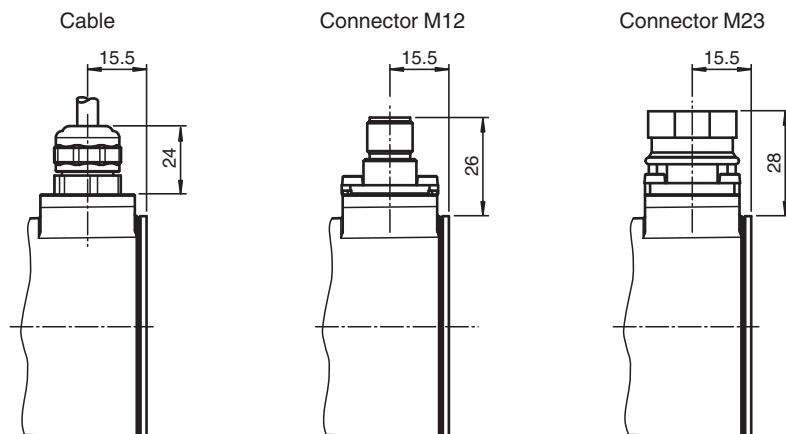
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Dimensions

Hollow shaft with cable and connector M12, M23

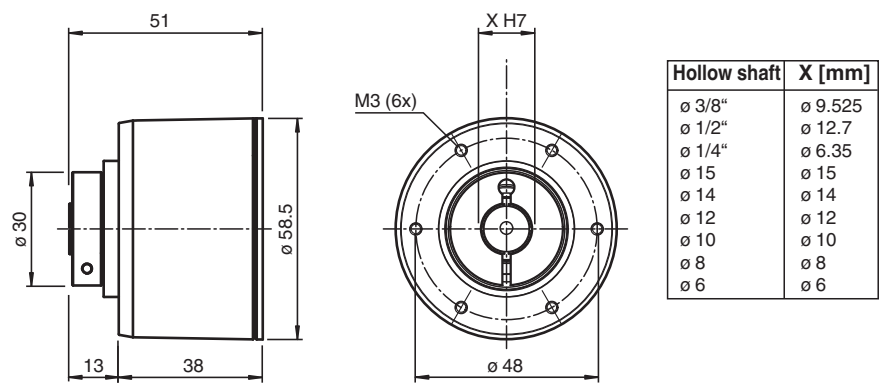


Connections

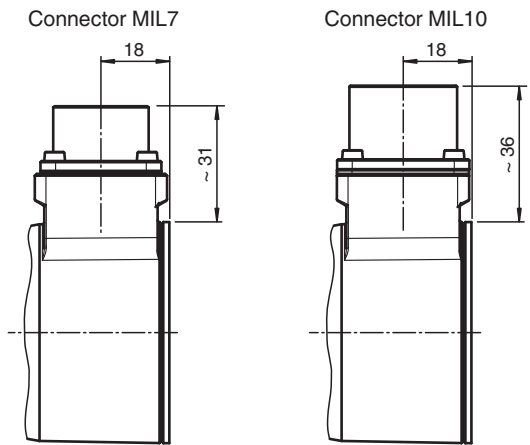


Dimensions

Hollow shaft with connector MIL7, MIL10



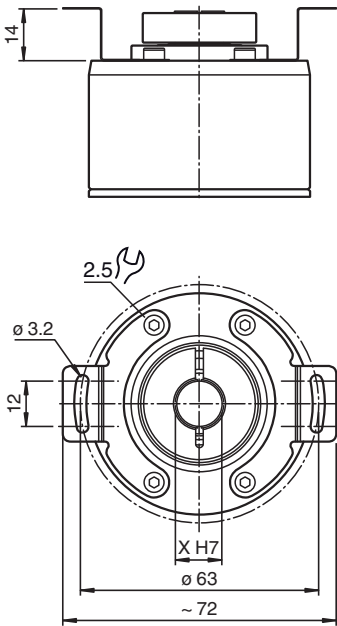
Connections



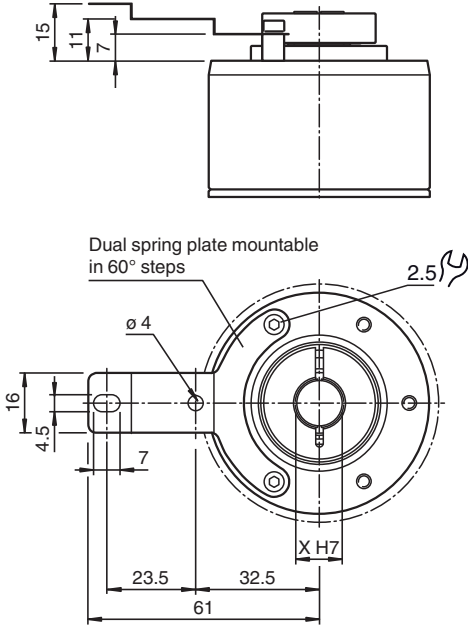
Dimensions

Spring plates DA / BA / JA / LA

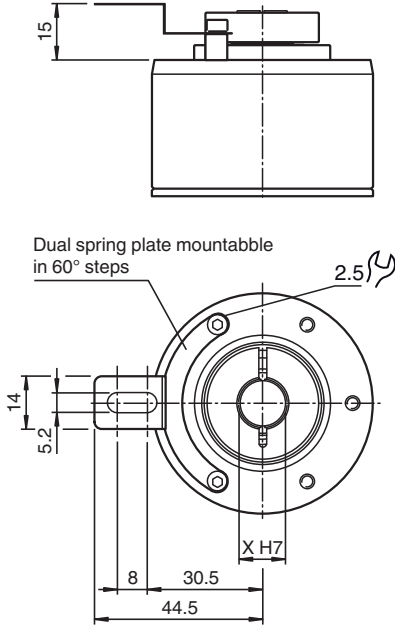
DA
for more accurate measuring tasks



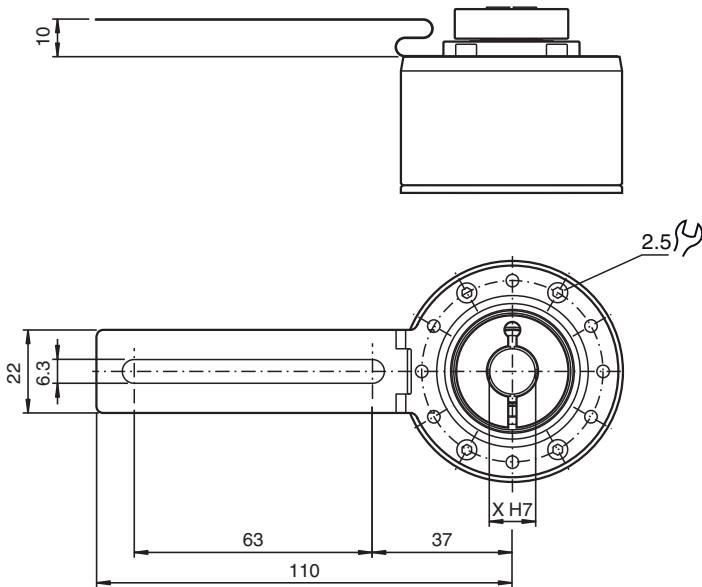
BA
for standard application



JA
for confined installation space



LA
for larger distance to mounting point



Technical Data

General specifications		
Detection type		photoelectric sampling
Linearity error		± 0.025 °
Pulse count		max. 5000
Electrical specifications		
Operating voltage	U _B	4.75 ... 30 V DC , Reverse polarity protection
No-load supply current	I ₀	max. 50 mA
Output		

Technical Data

Output type	push-pull or RS422 (universal output driver, output level depending on input voltage)
Load current	max. per channel 40 mA , short-circuit protected
Output frequency	max. 400 kHz
Rise time	300 ns
Phase position A to B	
Pulse counts < 3600	90 ° ± 9 ° electrical
Pulse counts ≥ 3600	90 ° ± 15 ° electrical
Duty cycle	1/2 ± 10 %

Connection

Connector	M12 connector, 8-pin M12 connector, 5 pin M23 connector, 12-pin 10-pin MIL connector 7-pin MIL connector
Cable	Ø6 mm, 4 x 2 x 0.14 mm ²

Standard conformity

Degree of protection	DIN EN 60529, IP65, IP67
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Emitted interference	EN IEC 61000-6-4:2019
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Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Material	
Housing	powder coated aluminum
Flange	aluminum, blank
Shaft	Hollow shaft Stainless steel
Mass	< 300 g without cable
Rotational speed	max. 6000 min ⁻¹ for IP65 max. 3000 min ⁻¹ for IP67
Moment of inertia	≤ 70 gcm ²
Starting torque	≤ 0.04 Nm for IP65 ≤ 0.06 Nm for IP67
Shaft load	
Angle offset	max. 1 °
Axial offset	max. 1 mm
Dimensions	
Diameter	58.5 mm

Type Code

Structure of the type code

E	N	I	5	8	I	L	-	H	(1)	(1)	(2)	(2)	(3)	-	(4)	(4)	(4)	(4)	(5)	(5)	(5)	-	R	(6)	(6)
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ENI	Device type
ENI	Incremental rotary encoder

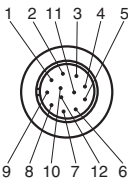
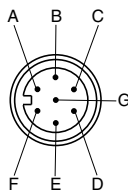
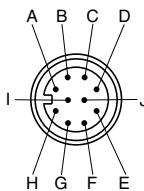
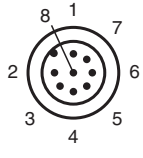
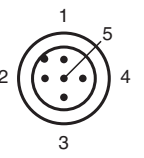
58	Size
58	Housing diameter 58 mm

Type Code

IL	Version
IL	Industrial Line
H	Shaft type
H	Hollow shaft
(1) (1)	Shaft diameter*
06	6 mm
08	8 mm
10	10 mm
12	12 mm
14	14 mm
15	15 mm
U2	1/4 inch
U3	3/8 inch
U4	1/2 inch
(2) (2)	Flange
BA	Spring plate, single long
JA	Spring plate, single short
DA	Dual spring plate
LA	Spring plate, single extra long
(3)	Degree of protection
5	IP65
7	IP67
(4) (4) (4) (4)	Pulse count*
0025	25 pulses
0100	100 pulses
0200	200 pulses
0360	360 pulses
0500	500 pulses
1000	1000 pulses
1024	1024 pulses
1250	1250 pulses
2000	2000 pulses
2048	2048 pulses
2500	2500 pulses
4000	4000 pulses
4096	4096 pulses
5000	5000 pulses
(5) (5) (5)	Electrical interface
UD1	Universal output driver, U_B 5 V ... 30 V
UD2	RS422, U_B 5 V ... 30 V
R	Connection alignment
R	Radial
(6) (6)	Connection type*
C1	Cable, 1 m
C2	Cable, 2 m
C3	Cable, 3 m
C5	Cable, 5 m
CA	Cable, 10 m
AA	M23 device plug, clockwise (type 9416)
BE	M12 device plug, 8-pin (type V19)
BD	M12 device plug, 5-pin (type V15)
MA	MIL7 connector (type 9415)
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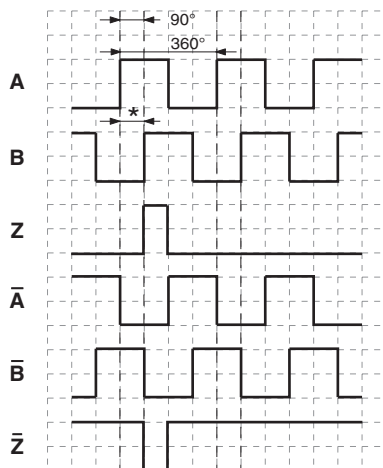
*) additional options upon request

Connection

Signal	Cable	Connector M23, 12-pin, clockwise	Connector MIL7, 7-pin	Connector MIL10, 10-pin	Connector M12 x 1, 8-pin	Connector M12 x 1, 5-pin
GND	White	10	F	F	1	3
U _B	Brown	12	D	D	2	1
A	Green	5	A	A	3	2
B	Grey	8	B	B	5	4
$\bar{A}$	Yellow	6	-	H	4	-
$\bar{B}$	Pink	1	-	I	6	-
Z	Blue	3	C	C	7	5
$\bar{Z}$	Red	4	-	J	8	-
NC	Violet	2	E	E	-	-
NC	Grey/Pink	7	-	-	-	-
NC	-	9	-	-	-	-
NC	Black	11	-	-	-	-
Shielding	Shield	Housing	G	G	Housing	Housing
	Note: Unused cores must be insulated individually before commissioning in order to avoid interference.					

Operation

Signal outputs



↻ cw - with view onto
 the shaft
 phase relationships
 electrical
 * 1 Measuring step is
 90° electrical



Incremental rotary encoder ENI58IL-R

- Housing Ø 58 mm
- Recessed hollow shaft
- Up to 5000 ppr
- Universal output driver
- BlueBeam technology for ultimate precision

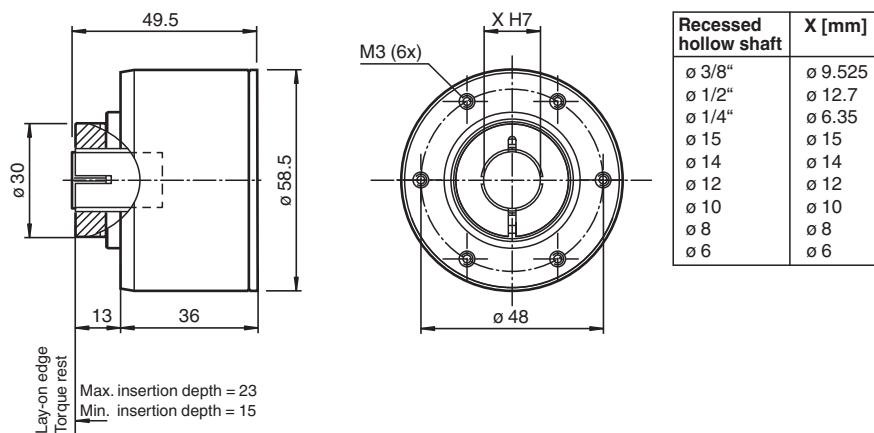


Function

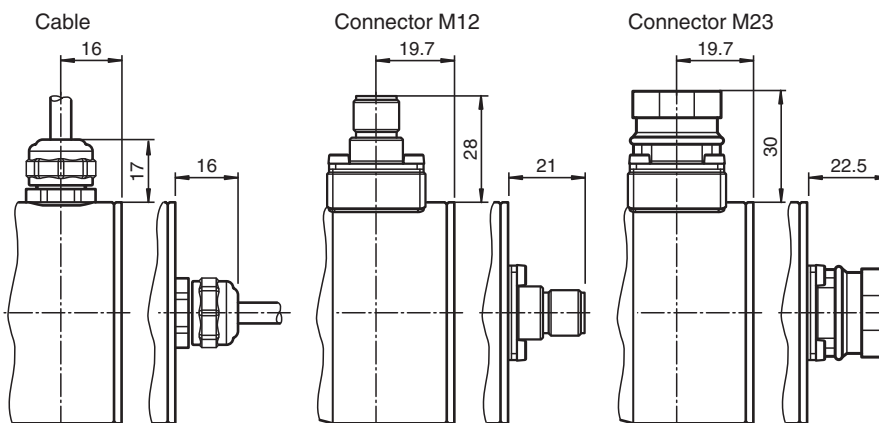
The ENI58IL impresses with its modular design, which is available over all mechanical and electrical interfaces. The ENI58IL is the best solution for all common applications, coupled with its high robustness, high reliability and versatility. With the high-precision BlueBeam technology and innovative housing design, the ENI58IL is the new market standard for incremental encoders.

Dimensions

Recessed hollow shaft with cable and connector M12, M23 (radial, axial) and MIL connector (axial)



Connections



Release date: 2025-10-16 Date of issue: 2025-10-16 Filename: t182004_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
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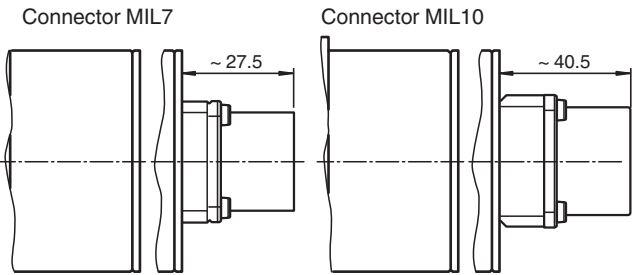
Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

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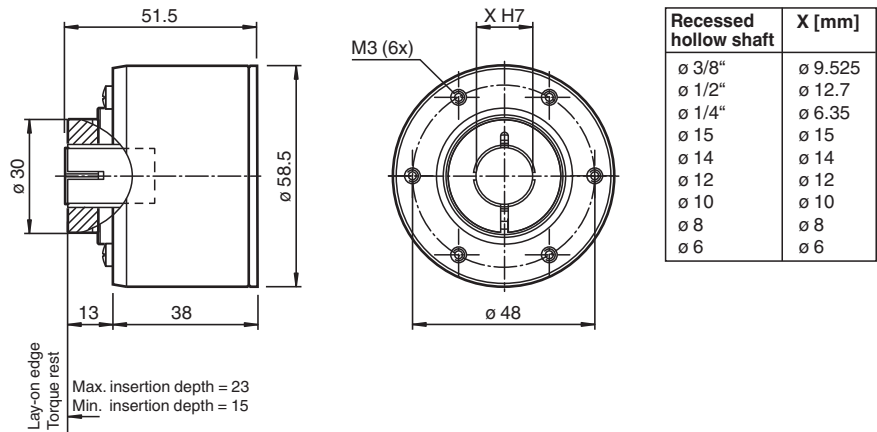
PEPPERL+FUCHS

Dimensions

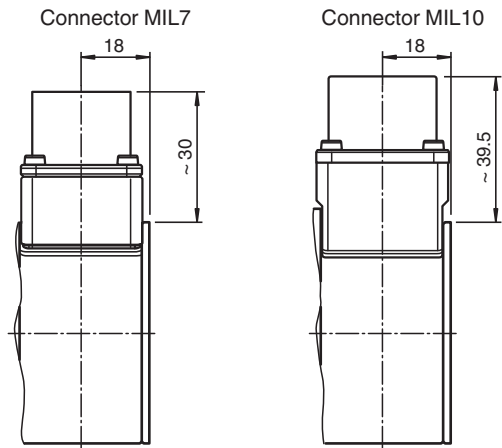
Connections



Recessed hollow shaft with MIL connector (radial)



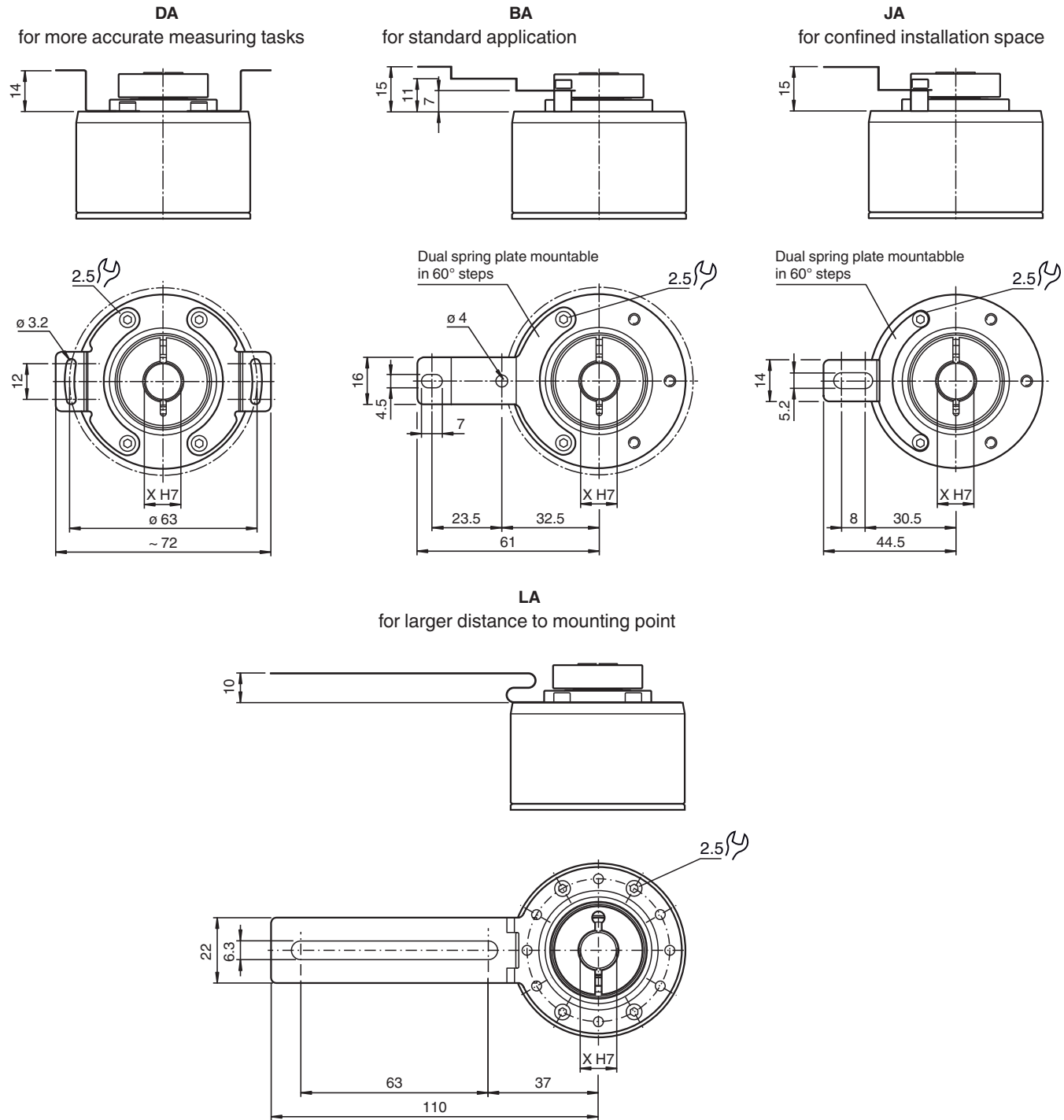
Connections



Release date: 2025-10-16 Date of issue: 2025-10-16 Filename: t182004_eng.pdf

Dimensions

Spring plates DA / BA / JA / LA



Technical Data

General specifications	
Detection type	photoelectric sampling
Linearity error	± 0.025 °
Pulse count	max. 5000
Functional safety related parameters	
MTTF _d	140 a
Mission Time (T _M)	10 a
L ₁₀	15 E+9 at 6000 rpm

Technical Data

Diagnostic Coverage (DC)		0 %
Electrical specifications		
Operating voltage	U_B	4.75 ... 30 V DC
No-load supply current	I_0	max. 50 mA
Output		
Output type		push-pull or RS422 (universal output driver, output level depending on input voltage)
Load current		max. per channel 40 mA , short-circuit protected, reverse polarity protected
Output frequency		max. 400 kHz
Rise time		300 ns
Phase position A to B		
Pulse counts < 3600		$90^\circ \pm 9^\circ$ electrical
Pulse counts ≥ 3600		$90^\circ \pm 15^\circ$ electrical
Duty cycle		$1/2 \pm 10\%$
Connection		
Connector		M12 connector, 8-pin M12 connector, 5 pin M23 connector, 12-pin 10-pin MIL connector 7-pin MIL connector
Cable		$\varnothing 6$ mm, 4 x 2 x 0.14 mm ² Fixed cable with M12 plug. 5-pin Fixed cable with M12 plug. 8-pin
Standard conformity		
Degree of protection		DIN EN 60529, IP65, IP67
Climatic testing		DIN EN 60068-2-78 , no moisture condensation
Emitted interference		EN IEC 61000-6-4:2019
Noise immunity		EN IEC 61000-6-2:2019
Shock resistance		DIN EN 60068-2-27, 300 g, 6 ms
Vibration resistance		DIN EN 60068-2-6, 30 g, 10 ... 2000 Hz
Approvals and certificates		
UL approval		E223176 , cULus Listed, General Purpose, Class 2 Power Source, Type 1 enclosure , if UL marking is marked on the product. For use in NFPA 79 Applications only. adapters providing field wiring on request
Maximum permissible ambient temperature		max. 80 °C (max. 176 °F)
Ambient conditions		
Operating temperature		-40 ... 85 °C (-40 ... 185 °F) , cable, fixed installation -5 ... 85 °C (23 ... 185 °F) , cable, movable installation
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Material		
Housing		3.2315 aluminum (AlMgSi1, saltwater-proof)
Flange		3.2315 aluminum (AlMgSi1, saltwater-proof)
Shaft		Recessed hollow shaft Stainless steel
Mass		< 300 g without cable
Rotational speed		max. 8000 min ⁻¹ for IP65 , max. 6000 min ⁻¹ for IP67
Moment of inertia		≤ 60 gcm ²
Starting torque		≤ 1.5 Ncm for IP65 , ≤ 2.5 Ncm for IP67
Shaft load		
Angle offset		max. 1 °
Axial offset		max. 1 mm
Dimensions		
Diameter		58.5 mm

Type Code

Structure of the type code

E	N	I	5	8	I	L	-	R	(1)	(1)	(2)	(2)	(3)	-	(4)	(4)	(4)	(4)	(5)	(5)	(5)	-	(6)	(7)	(7)
---	---	---	---	---	---	---	---	---	-----	-----	-----	-----	-----	---	-----	-----	-----	-----	-----	-----	-----	---	-----	-----	-----

ENI	Device type
ENI	Incremental rotary encoder

58	Size
58	Housing diameter 58 mm

IL	Version
IL	Industrial Line

R	Shaft type
R	Recessed hollow shaft

(1) (1)	Shaft diameter
08	8 mm
10	10 mm
12	12 mm
14	14 mm
15	15 mm
U2	1/4 inch
U3	3/8 inch
U4	1/2 inch

(2) (2)	Flange
BA	Spring plate, single long
JA	Spring plate, single shor
DA	Dual spring plate
LA	Spring plate, single extra long

(3)	Degree of protection
5	IP65
7	IP67

(4) (4) (4) (4)	Pulse count
0025	25 pulses
0100	100 pulses
0120	120 pulses
0125	125 pulses
0200	200 pulses
0256	256 pulses
0360	360 pulses
0500	500 pulses
1000	1000 pulses
1024	1024 pulses
1250	1250 pulses
1500	1500 pulses
1800	1800 pulses
2000	2000 pulses
2048	2048 pulses
2500	2500 pulses
3600	3600 pulses
4000	4000 pulses
4096	4096 pulses
5000	5000 pulses

(5) (5) (5)	Electrical interface
UD1	Universal output driver, U_B 5 V ... 30 V
UD2	RS422, U_B 5 V ... 30 V

(6)	Connection alignment
A	Axial
R	Radial

(7) (7)	Connection type
B2	Fixed cable with M12 plug, 8-pin, 1 m
B4	Fixed cable with M12 plug, 5-pin, 1 m

Type Code

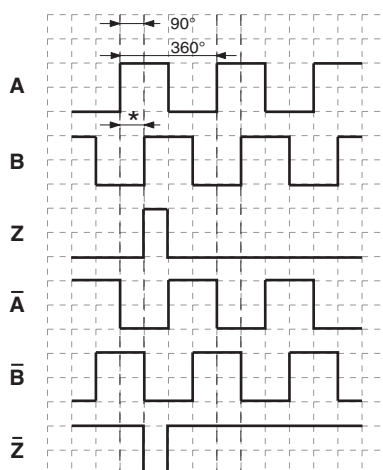
(7) (7)	Connection type
C1	Cable, 1 m
C2	Cable, 2 m
C3	Cable, 3 m
C5	Cable, 5 m
CA	Cable, 10 m
AA	M23 device plug, clockwise (type 9416)
AB	M23 device plug, counterclockwise (type 9416L)
BE	M12 device plug, 8-pin (type V19)
BD	M12 device plug, 5-pin (type V15)
MA	MIL7 connector (type 9415)
MB	MIL10 connector (type 9419)

Connection

Signal	Cable	Connector M23, 12-pin, clockwise/counter clockwise	Connector MIL7, 7-pin	Connector MIL10, 10-pin	Connector M12 x 1, 8-pin	Connector M12 x 1, 5-pin
GND	White	10	F	F	1	3
U _b	Brown	12	D	D	2	1
A	Green	5	A	A	3	2
B	Grey	8	B	B	5	4
$\bar{A}$	Yellow	6	-	H	4	-
$\bar{B}$	Pink	1	-	I	6	-
Z	Blue	3	C	C	7	5
$\bar{Z}$	Red	4	-	J	8	-
NC	Violet	2	E	E	-	-
NC	Grey/Pink	7	-	-	-	-
NC	-	9	-	-	-	-
NC	Black	11	-	-	-	-
Shielding	Shield	Housing	G	G	Housing	Housing
	Note: Unused cores must be insulated individually before commissioning in order to avoid interference..					

Operation

Signal outputs



↻ cw - with view onto
 the shaft
 phase relationships
 electrical
 * 1 Measuring step is
 90° electrical