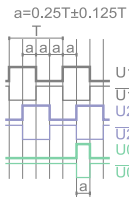


ELECTRICAL DATA

Supply voltage: - standard - optional	+5V±5% +(10...30)V±5%
Light source	LED
Accuracy	±0.3 arc. degree
Resolution	2 ¹² (4096)
Code	binary
Maximum operating frequency, kHz	300
Standard cable length	1m
Maximum cable length	1m

Output signals:

Incremental	TTL, HTL (Up to 1024ppr)
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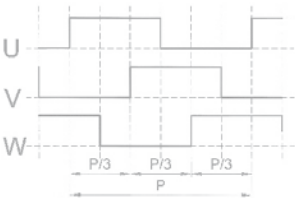


Through synchronous serial interface	SSI (Up to 12bit)
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Clock frequency - 20kHz ÷ 4 MHz; TTD - 25 ns ÷ 15 ns

Commutation	UVW (pole number 2, 4, 6, 8, 10, 12, 14, 16)
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ACCESSORIES

CONNECTOR FOR CABLE	B12 12-pin round connector	C9 12-pin round connector	C12 12-pin round connector	D9 9-pin flat connector	D15 15-pin flat connector	RS10 10-pin round connector	ONC 10-pin round connector
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CONNECTOR ON HOUSING	C9 12-pin round connector	C12 12-pin round connector	RS10 10-pin round connector	ONC 10-pin round connector
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DIGITAL READOUT DEVICES	CS3000	CS5500
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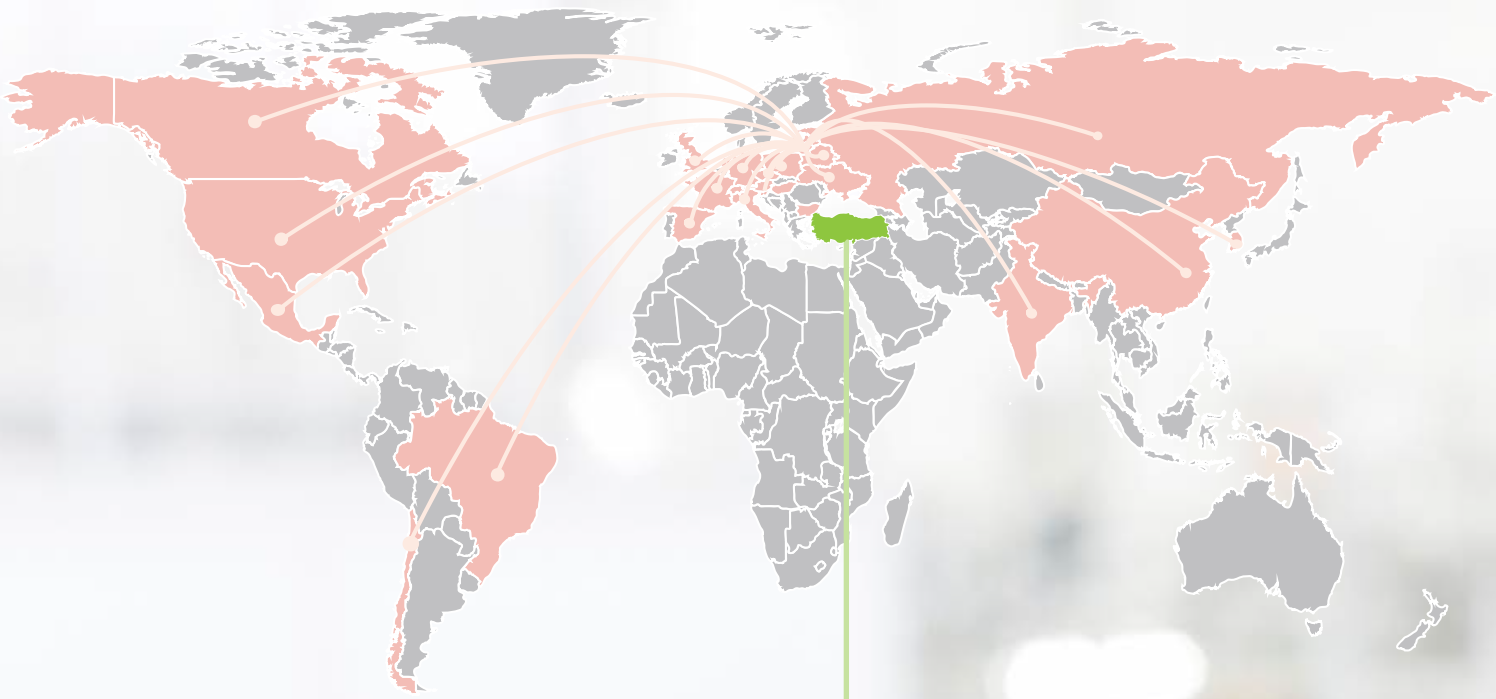
COUPLING	SC30
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EXTERNAL INTEGRAL ROTARY	NK
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ORDER FORM

AM58 X - X - XX - XX - XXX - XXX/X - X - X							
TYPE:	OUTPUT SIGNALS:	POLE NUMBER FOR SIGNAL:	PULSE NUMBER FOR TTL/HTL:	BIT NUMBER FOR SSI:	VOLTAGE SUPPLY:	CABLE LENGTH AND OUTLET OR FLANGE SOCKET TYPE:	COUPLING:
M - AM58M B - AM58B C - AM58C C2 - AM58C2 C3 - AM58C3 D - AM58D	H1 - TTL H2 - UVW H3 - TTL-UVW H4 - TTL-SSI H5 - TTL-UVW-SSI H6 - HTL H7 - HTL-UVW H8 - HTL-UVW-SSI	P0 - for H1,H4, H6 P2 - 2 poles P4 - 4 poles P6 - 6 poles P8 - 8 poles P10 - 10 poles P12 - 12 poles P14 - 14 poles P16 - 16 poles	for H2 - B0 - for H2 16 ppr - B6 - 6 bit 32 ppr - B7 - 7 bit 64 ppr - B8 - 8 bit 128 ppr - B9 - 9 bit 256 ppr - B10 - 10 bit 512 ppr - B11 - 11 bit 1024 ppr - B12 - 12 bit	A01 - 1m (A-axial cable) R01 - 1m (R-radial cable) AR01 - 1m (AR-universal cable outlet) CA - flange socket axial CR - flange socket radial	05V - +5V 30V - +(10...30)V	W* - without connector B12* - round, 12 pins C9 - round, 9 pins C12 - round, 12 pins D9* - flat, 9 pins D15* - flat, 15 pins RS10 - round, 10 pins ONC - round, 10 pins	0 - without coupling 1 - with coupling
ORDER EXAMPLES:	1) AM58M-H8-P8-B10-05-CA/C12-1 2) AM58B-H1-P0-B12-05-R01/W-0						

MAIN EXPORT COUNTRIES:



IMAJ TEKNİK

The company under the name "Precizika Metrology" began work after the change of name of the Lithuanian - American Joint Venture "Brown & Sharpe - Precizika". The company has a proud history of old traditions in the leadership of design and production of metrological equipment. Its workforce has been involved for over fifty years in the supply of measuring technology and systems to automate factories as well as in the development of optical scale manufacturing technology.

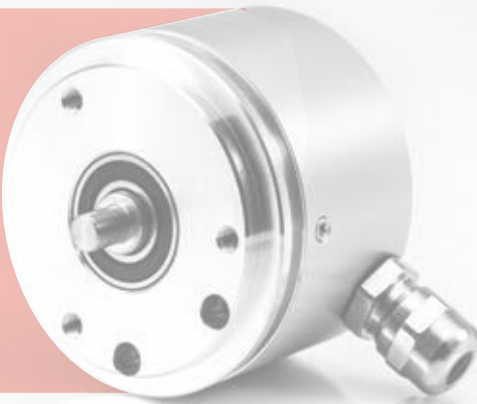
In 2000, the production process was certified to fully meeting the requirements of EN ISO 9002:1994, in 2003 – EN ISO 9001:2000.

The company's goal is to consistently supply high quality products and services to meet customer demands on a timely basis. The company's main products are linear and angular glass scale gratings, and the linear and rotary displacement measuring systems.

JSC "Precizika Metrology" represents worldwide known companies and suppliers of measuring equipment, CNC centers, executes installation and services of them, trains the users, and executes upgrading of used CMM and manual cutting machine-tools.

AM58

AM58M, AM58B,
AM58C, AM58C2,
AM58C3, AM58D



MAGNETIC ABSOLUTE ROTARY ENCODER

Absolute magnetic rotary encoder AM58 is used for information about rotary movements electronic units when working in the fields of metal working, industry automatization, robotics industry, equipment control, measuring equipment and others.

Encoder has magnetic operation device and case. Incorporated to case special integrated circuit receives magnetic device rotation and transfers it to output signals.



AM58

AM58M, AM58B,
AM58C, AM58C2,
AM58C3, AM58D

RECOMMENDED APPLICATIONS



SOLA R SYSTE MS



WIND SYSTE MS



PACKAGING



TOOL R EVOLVE R



MINING D RILLS



RET R OFITTING

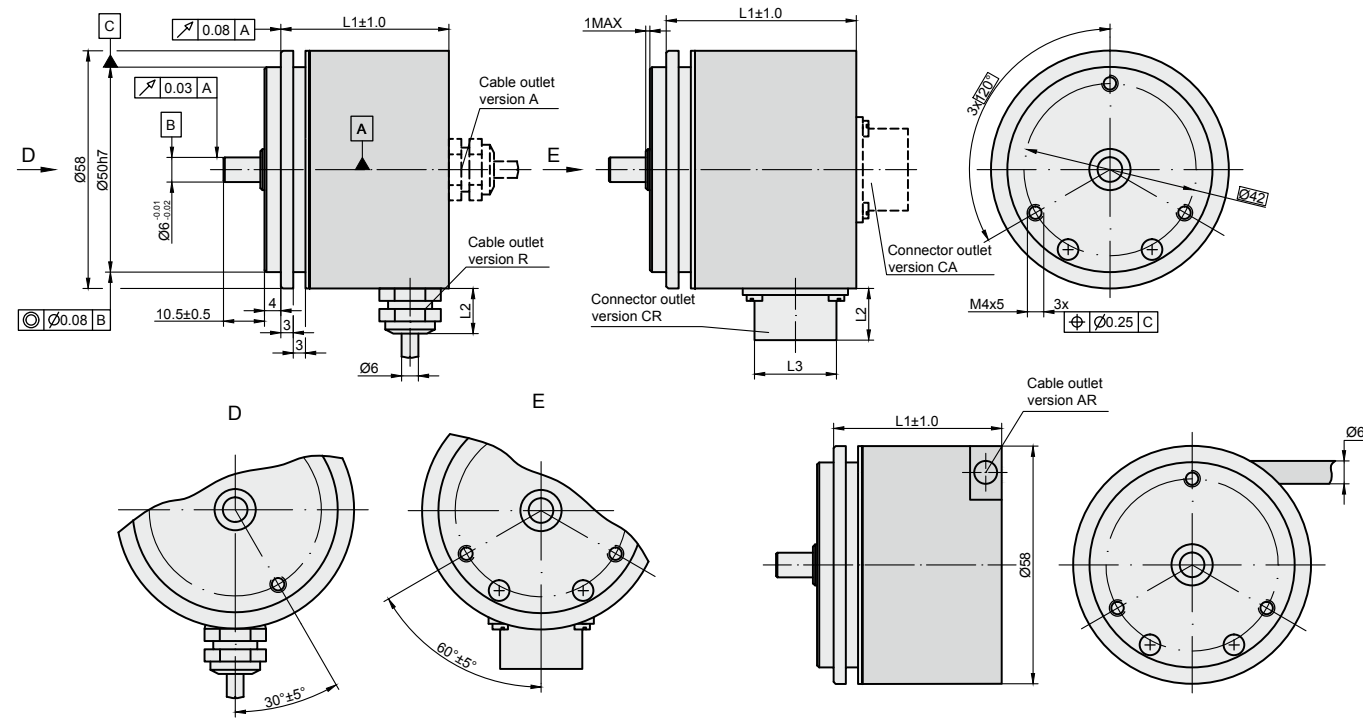


MAINTENANCE

MECHANICAL DATA

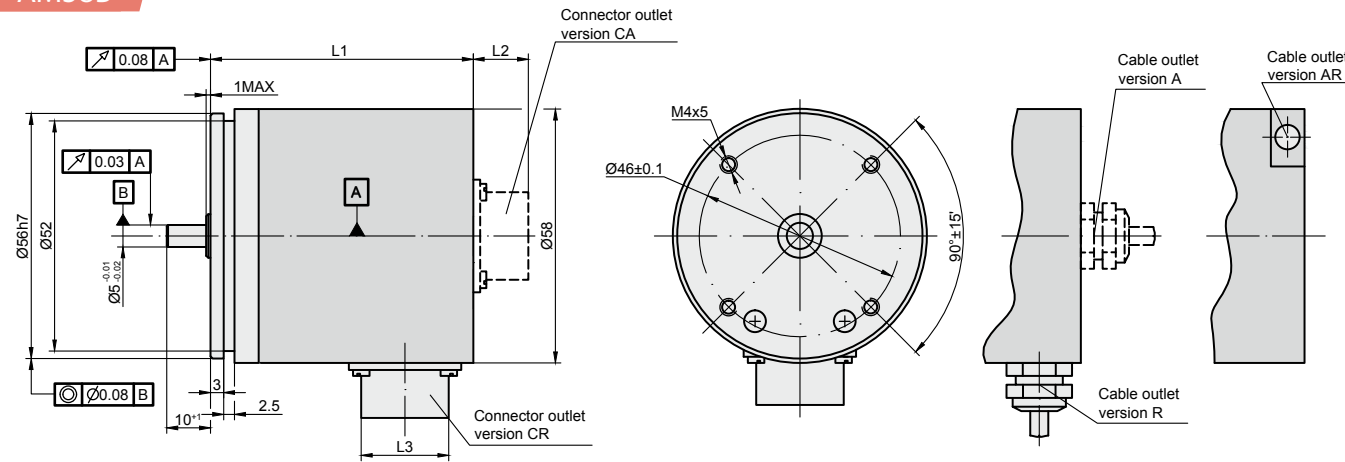
Maximum shaft speed	12000 rpm	Maximum weight without cable	0.25 kg
Maximum shaft load:		Operating temperature	-25...+85 °C
- axial	10 N	Storage temperature	-40...+125 °C
- radial (at shaft end)	20 N	Maximum humidity (non-condensing)	98 %
Starting torque at 200C	< 0.01 Nm	Permissible vibration (55 to 2000 Hz)	< 100 m/s2
Rotor moment of inertia	< 15 gcm2	Permissible shock (11 ms)	< 1000 m/s2
Protection (IEC 529):	up to IP67		

AM58M



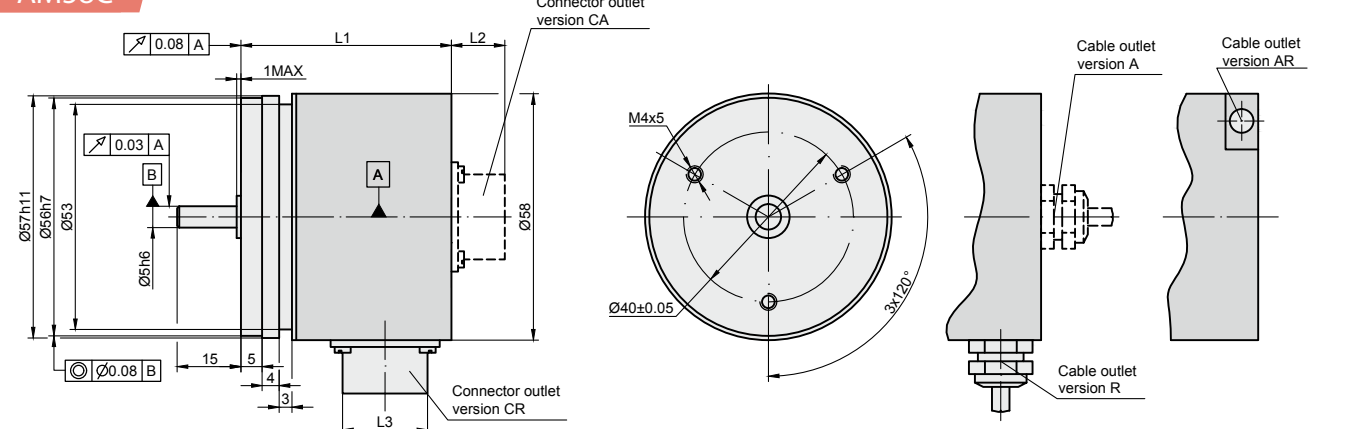
Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	41 mm	41 mm	41 mm	54 mm	53 mm	41 mm	41 mm	41 mm	43 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

AM58B



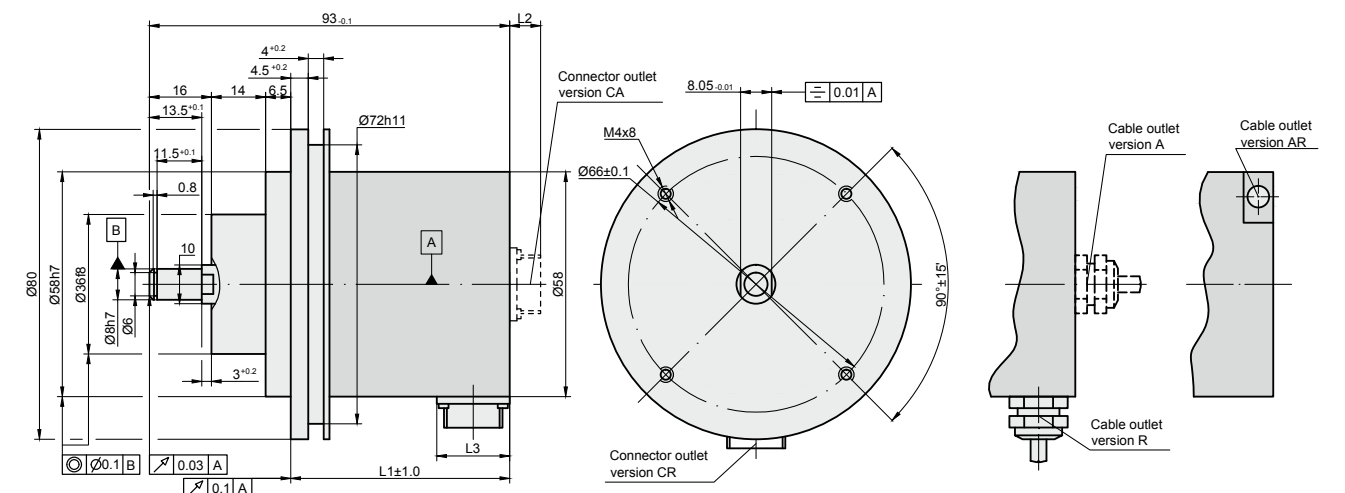
Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	44.5 mm	44.5 mm	44.5 mm	57.5 mm	56.5 mm	56.5 mm	44.5 mm	44.5 mm	46.6 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

AM58C



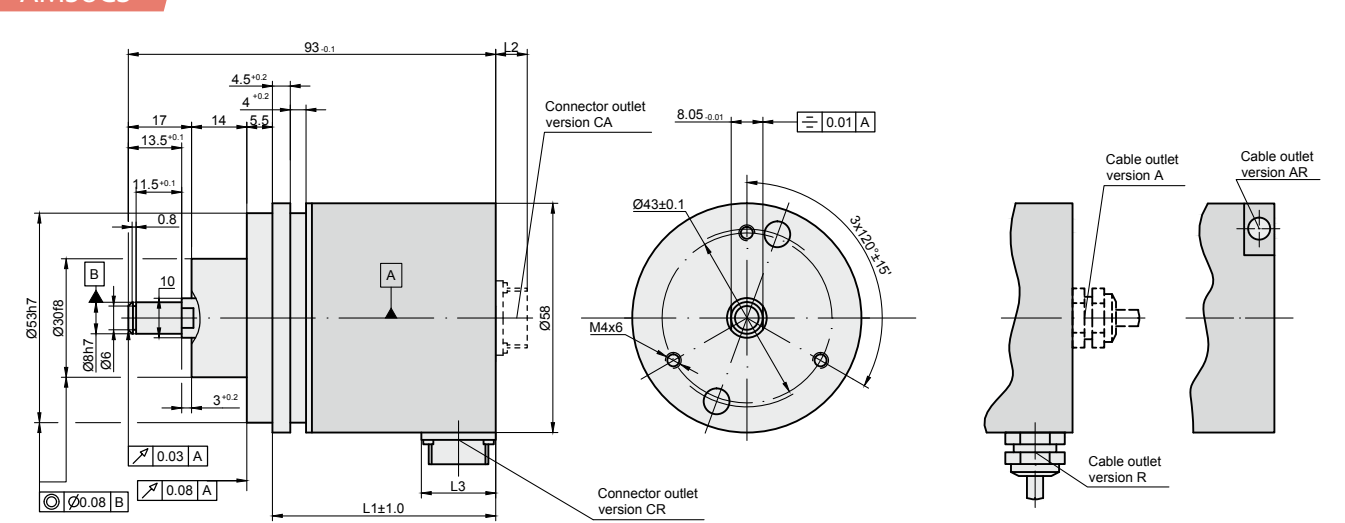
Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	47 mm	47 mm	47 mm	60 mm	59 mm	59 mm	47 mm	47 mm	49 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

AM58C2



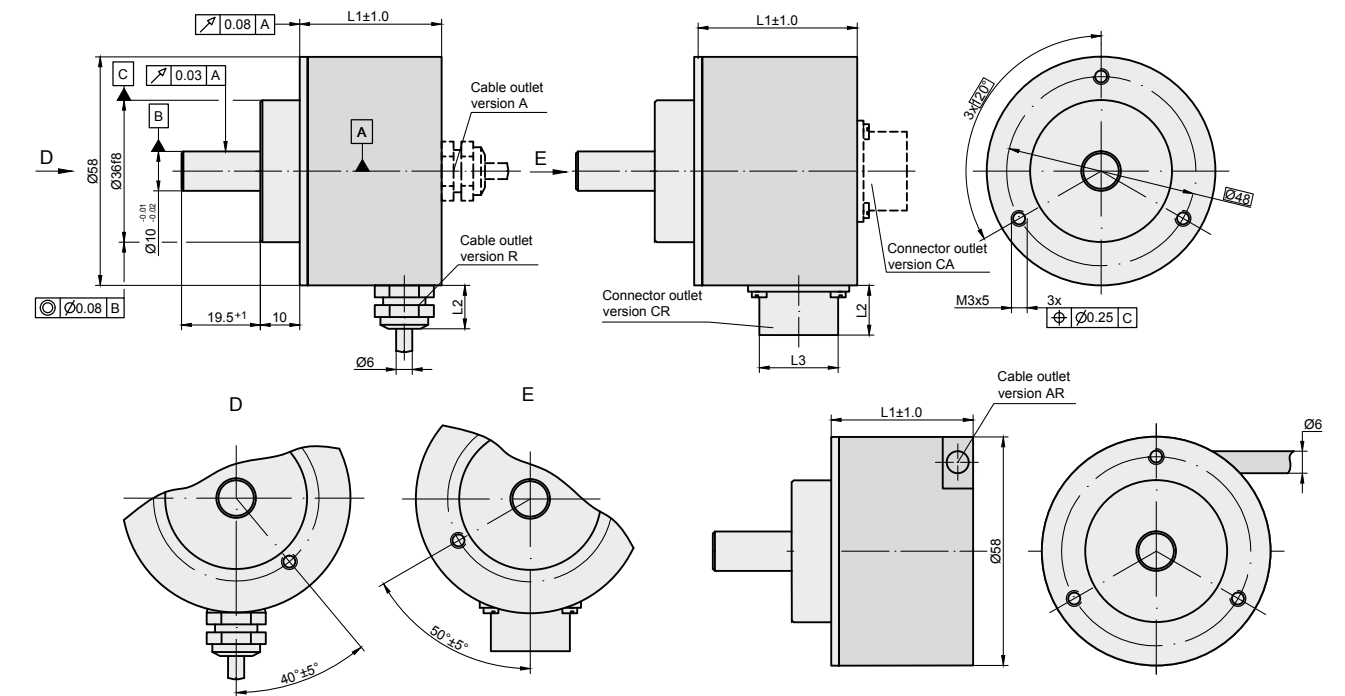
Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	44.5 mm	44.5 mm	44.5 mm	-	56.5 mm	56.5 mm	44.5 mm	44.5 mm	46.5 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

AM58C3



Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	50 mm	50 mm	50 mm	-	62 mm	62 mm	50 mm	50 mm	52 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

AM58D



Connector type / cable outlet	ONC axial	RS10 axial	C12, C9 axial	ONC radial	RS10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	37.5 mm	37.5 mm	37.5 mm	-	49.5 mm	49.5 mm	37.5 mm	37.5 mm	39.5 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-