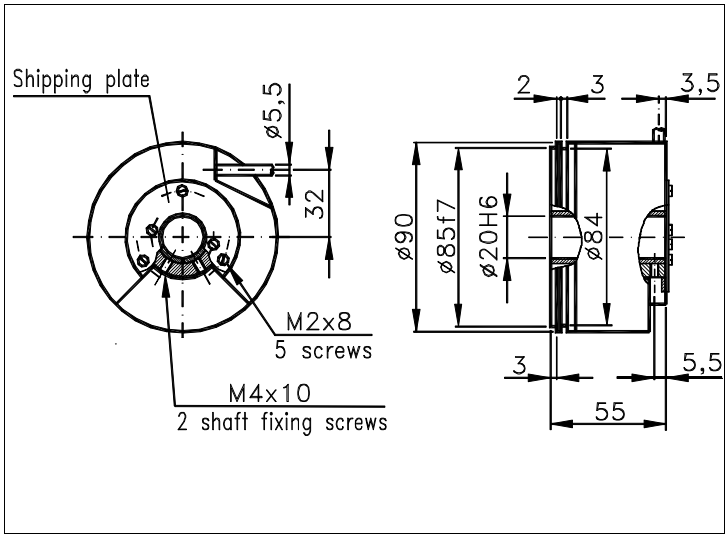
INCREMENTAL ENCODER

90CD

HIGH RESOLUTION ENCODER FIT TO BE USED ON DIVIDING TABLES ETC.
IT EMBODIES A SPECIAL TANGENTIAL COUPLIN WITH HIGH PRECISION.
STAINLESS STEEL SHAFT AND BASE.

Sized draw standard version: CV R Measures without tolerance according to UNI ISO 2768-mk
Max joint compensation: axial ± 0,01mm, radial ± 0,02mm



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Base**.....: STAINLESS STEEL
- **Cover**.....: ANODIZED ALUMINIUM
- **Weight**.....: 1100 g
- **Shaft**.....: Ø 20 PASS.THR.STAIN.STEEL
- **Accuracy**.....: ±5 arc.sec.
- **IP output side.(°).**: see 'CONNECTION' of page 2

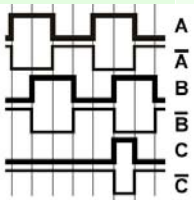
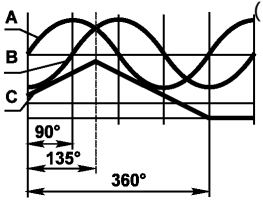
- IP shaft side..(°).>	std. 64	sealed -	low torq. -
opt. type (page 2).>	standard		
- Contin. max RPM(**)>	600	-	-
- Starting torque gcm>	5000	-	-

(°) IP according to CEI EN 60529,EN 60529,IEC 529

- **Ball bearings life...**: 1,5 x 10^9 revolutions
- **Impact resistance....**: 30 G x 5ms
- **Vibration resistance.**: 10 G (55 ÷ 2000 Hz)
- **Power supply.....**: 5V (see page 2)
- **Operating temperature**: 0 ÷ 70 °C
- **Storage temperature..**: -30 ÷ 85 °C
- **N° of pulses/rev.....**: 9000÷900000
- **Max frequency.....**: 160÷2200 kHz (w. interpol.)
- **Max consumptions mA..**: (I) 120 (N) 150
- **Light source.....**: LED with >= 100000 h life

(**) intermittent max RPM + 30% of continuous max RPM

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
			N	DRIVER 26LS31	20				Y	SINUSOID.1Vpp (signals amplitude: A=0,6...1,2V; B=0,6...1,2V; C=0,2...0,8V)	10
		(§)			(§)			(§)			(§)

Tolerance between phases ± 25° , symmetry ± 15°

(§) Clock-wise output rotation (see shaft).

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POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION
X	Custom options		

POSSIBLE CONNECTIONS

CABLE	OUTPUT:
CV	RAD
CONNECTOR	**OUTPUT:**
CABLE END CONNECTOR	**OUTPUT:**
VD VH VH5 VI VN VH6 VS VD5	RAD
TERMINAL BOX	**OUTPUT:**

ORDERING INFORMATION

POSSIBLE HOLLOW Ø
(n) Ø n upon requ.

(N) DRIVER 26LS31
(Y) SINUSOID.1Vpp
(X) CUSTOM OPTION

CABLE IP65
(CV) 1 m long

TERMINAL BOX
( )

CONNECTOR
( )

CABLE END CONNECTOR IP65 encoder output
(VH) 12c anticlock.
(VH5) 12c clock-wise
(VI) 12c crimped
(VN) 12c
(VH6) 12c clock-wise
(VD5) 9c screened

OPTIONS MODEL		/	PULSES/REVOL.(1)	/	POWER SUPPLY	/	VERSION (2)	/	ELECTRONIC (2)	/	CONNECTION (3)	/	OUTPUT
90CD		/	**9000**	/	**5**	/	**BZ**	/	**N**	/	**CV**	/	**R**
(X)			9000 18000 36000 45000 90000 180000 360000 450000 900000		(5) 5 V ±5%		(BZ) Bidirectional + zero						RAD (R)

(1) For further information see PULSES/REVOL. data sheet
(2) For further information see ELECTRONIC data sheet
(3) For further information see CONNECTION data sheet

Product manufactured according to UNI EN ISO 9001:2008, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.

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