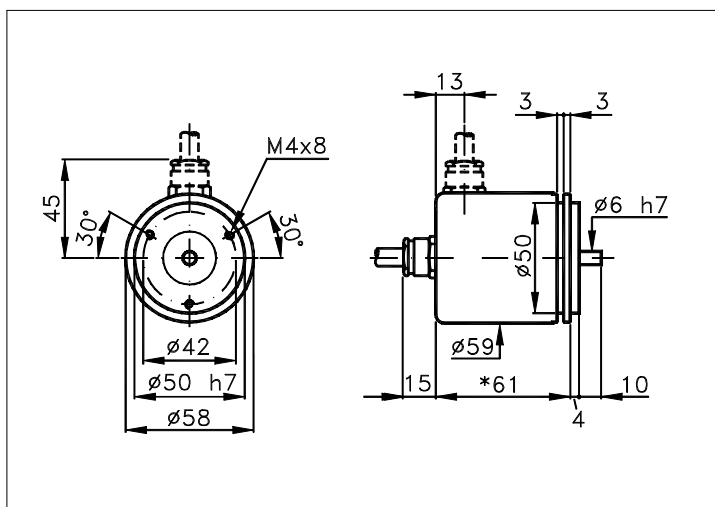


**SINGLE TURN
ABSOLUTE
ENCODER
358SX**

Absolute single turn encoder, from 2 to 13 bits, with completely stainless steel housing, for application in marine and chemical environment, where the stainless steel housing and the extremely high reliability of the product are fundamental. Installation with 'servo-mount' flange or frontal screws.

Absolute single turn
page: 01. 358SX 1/2
data sheet IA007 E00

Measures without tolerance according to UNI ISO 2768-mk



* 83 for code different from Gray code.

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- Output codes.....: Gray, Binary, Excess, BCD, Custom - Max pulses/rev.....: 8192 (13 bits) - Power supply Vcc.....: 5±5%, 15±5%, 8÷24, 18÷28, 10÷30 - Max consumption.....: 200÷400 mA accord. to bits (*) - Light source.....: LED with >= 100000 h life - Optical sensors.....: Phototransistors - Max frequency.....: 50 kHz (*) - Operating temperature..: 0 ÷ +70 °C (*) - Storage temperature....: -30 ÷ +85 °C (*) - Burn-in @ +75 °C.....: 72 h (*) - Up/down commutation...: Ok - Mechanical zero search: No - Output stages.....: (-) NPN open coll. 10mA (std) (KK) NPN open coll. 70mA + PTC (KP) NPN open emitt. 70mA + PTC (B) Push-p. 70mA + PTC 1÷12bit(1) - Pre output interface...: (-) Parallel (standard) (S) Serial SSI (1) (A) Analogic 'current' (2) (V) Analogic 'voltage' (2) - Electronic options....: (F) Led zero (for parallel interf.) (L) Latch (3) (P) Parity	- Connections Radial (R): CV (4) Axial (-) (*) - For the description of connections see 'ORDERING CODE' on page 2. - Base.....: Stainless steel (*) - Cover.....: Stainless steel (*) - Weight.....: 520 g - Shaft.....: Stainless steel (*) - Max. rad/axial load....: 2 Kg - IP output side.....: see 'CONNECTIONS' on page 2 - IP shaft side.....: std. 64 sealed 66 low torq. 53 - Contin. max RPM...(**): 6000 3000 8000 - Starting torque.. gcm.: 18 30 8 - Impact resistance.....: 50 G (11 ms) - Vibration resistance...: 12 G (10 ÷ 2000 Hz) - Ball bearings life....: 1,5x10⁹ revolutions (@ 1000 rev/m with load of 1/4 maximum allowed) (*) Custom options (**) Intermittent max RPM + 30% of continuous max RPM (1) Only for Gray and Excess codes (2) Only for power supply 15V or 18÷24V and resol. 102 (3) Standard for Binary and BCD codes (4) Cv (cable): up to 10 bits (1000 pulses) code BCD
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POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
A	High temperature	X	Custom options	G	Tropicalization
L	Low temperature	H	Different shaft Ø	Z	Sealed ball bearing
Y	Unbreakable disk	P	Compressed air attack	B	Low torque ball bear.



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