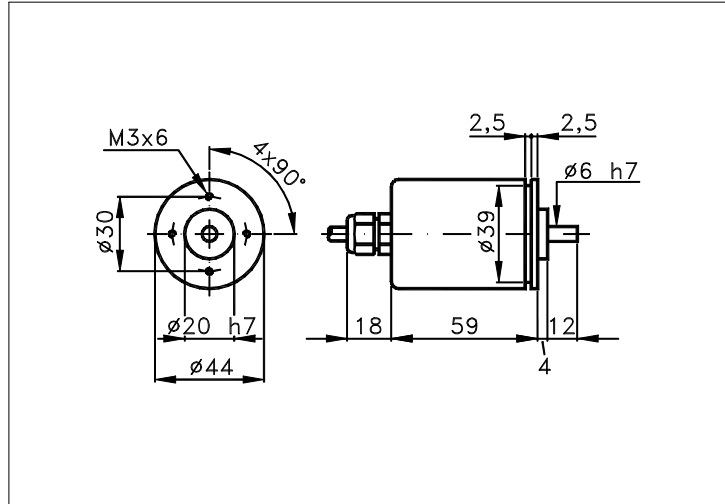


Sized draw standard version: CV Measures without tolerance according to UNI ISO 2768-mk

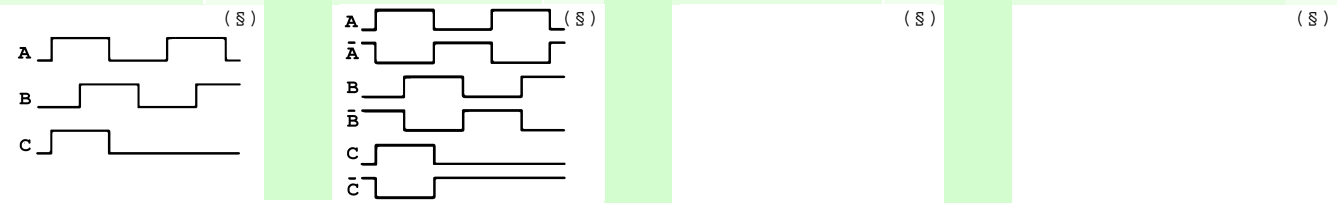


TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- Base.....: ANODIZED ALUMINIUM (\*)
  - Cover.....: ANODIZED ALUMINIUM (\*)
  - Weight.....: 230 g
  - Shaft.....: Ø 6 STAINLESS STEEL (\*)
  - Max.rad/axial load.: 1,5 kg
  - IP output side.(°): see 'CONNECTION' of page 2
  - IP shaft side.(°):> std. 66 | sealed - | low torq. 53
  - opt. type (page 2):> standard | | B
  - Contin. max RPM(\*\*):> 3000 | - | 12000
  - Starting torque gcm> 30 | - | 8
  - Ball bearings life...: 1,5 x 10<sup>9</sup> revolutions
  - Impact resistance....: 50 G x 11ms
  - Vibration resistance.: 12 G (10 ÷ 2000 Hz)
  - Power supply.....: 5÷30V (see page 2)
  - Operating temperature: 0 ÷ 70 °C (\*)
  - Storage temperature...: -30 ÷ 85 °C
  - N° of pulses/rev.....: 1 ÷ 2540
  - Max frequency.....: 60 kHz (100 option)
  - Max consumptions mA...: std 120 line driver 180 (\*)
  - Light source.....: LED with >= 100000 h life
- (°) IP according to CEI EN 60529, EN 60529, IEC 529  
(\*) custom options  
(\*\*) intermittent max RPM + 30% of continuous max RPM

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
	STANDARD NPN	10	N	DRIVER 26LS31	30						
K	NPN OPEN COLL	10	T	TTL 7404	10						
Q	NPN	70	C	DRIVER 88C30	20						
R	NPN OPEN COLL	70									
P	PNP	70									
U	PNP OPEN COLL	70									
B	PUSH-PULL PRO	70									
H	PUSH-PULL	70									



Tolerance between phases ± 25°, symmetry ± 15°  
(§) Clock-wise output rotation (see shaft).

POSSIBLE OPTIONS				POSSIBLE CONNECTIONS								
CODE	DESCRIPTION	CODE	DESCRIPTION									
L	Low temperature	K	Invert. phase A,B,Zero.	CABLE				OUTPUT:				
Y	Unbreakable disk	J	Zero logic combination	CV				AX RAD				
B	Low torque ball bear.	M	Impregnated electronic	CONNECTOR				OUTPUT:				
H	Different shaft Ø	A	High temperature									
R	75 KHz frequency			CABLE END CONNECTOR				OUTPUT:				
V	100 KHz frequency	G	Tropicalization	VM	TM	VL	TL	VD	VH	VH5	VI	AX
				VE	VK	TK	VN	VH6	VM5	VM9	VS	RAD
				VD5								
X	Custom options			TERMINAL BOX				OUTPUT:				

### ORDERING INFORMATION

POSSIBLE SHAFT Ø	STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR
( )	( K ) NPN OPEN COLL	IP65		IP65 encoder output
( )	( Q ) NPN	( CV ) 1 m long	( )	( VM ) 7c normal
( )	( R ) NPN OPEN COLL	( )	( )	( TM ) 7c sealed
( )	( P ) PNP	( )	( )	( VL ) 10c normal
( )	( U ) PNP OPEN COLL	( )	( )	( TL ) 10c sealed
( n )	( B ) PUSH-PULL PRO		( )	( VD ) 9c
	( H ) PUSH-PULL	TERMINAL BOX	( )	( VH ) 12c anticlock.
( )	( N ) DRIVER 26LS31	IP00	( )	( VH5 ) 12c clock-wise
( )	( T ) TTL 7404		( )	( VI ) 12c crimped
( )	( C ) DRIVER 88C30	( )	( )	( VE ) 5c
( )			( )	( VK ) 17c normal
( )			( )	( TK ) 17c sealed
( )			( )	( VN ) 12c
( )	( X ) CUSTOM OPTION		( )	( VH6 ) 12c clock-wise
( )			( )	( VM5 ) 26c
( )			( )	( VM9 ) 16c
( )			( )	( VS ) 12c
( )			( )	( VD5 ) 9c screened

OPTIONS MODEL	PULSES/REVOL. (1)	POWER SUPPLY	VERSION (2)	ELECTRONIC (2)	CONNECTION (3)	OUTPUT
<b>44S</b>	<b>500</b>	<b>5</b>	<b>BZ</b>	<b>N</b>	<b>CV</b>	
( L )	1 ÷ 2540	( 5 ) 5 V ±5%	( M ) Monodirectional			AX ( )
( Y )		( 824 ) 8÷24 V	( B ) Bidirectional			RAD ( R )
( )		( 1828 ) 18÷28 V	( BZ ) Bidirectional + zero			
( B )		( 815 ) 8÷15 V	( MZ ) Monodirectional + zero			
( H )		( 12 ) 12 V ±5%				
( R )		( 24 ) 24 V ±5%				
( V )		( 1230 ) 12÷30/12 V				
( )		( 8245 ) 8÷24/5 V				
( )		( 1030 ) 10÷30 V				
( )		( 18285 ) 18÷28/5 V				
( )		( 1530 ) 15÷30/15 V				
( X )		( )				

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

NOTE: FOR 88C30 MAX 15 Vdc

(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

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