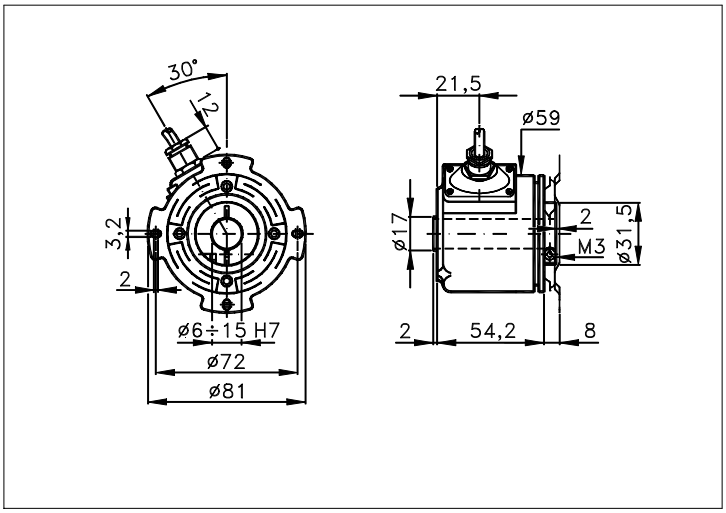
Sized draw standard version: CV R Measures without tolerance according to UNI ISO 2768-mk

Max joint compensation: axial ± 0,2mm, radial ± 0,05mm, angular ± 1°



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Base**.....: ANODIZED ALUMINIUM (*)
- **Cover**.....: VALOX 420 (*)
- **Weight**.....: 300 g
- **Shaft**.....: Ø 6÷15 PASS.THR.STAINL.ST. (*)
- **Max.rad/axial load.**: 6 kg
- **IP output side.(°).**: see 'CONNECTION' of page 2

IP shaft side..(°).>	std. 64	sealed 65	low torq. 53
opt. type (page 2).>	standard	Z	B
Contin. max RPM(**)>	6000	3000	8000
Starting torque gcm>	85	110	50

- **Ball bearings life...**: 1,5 x 10^9 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 ÷ 3600
- **Max frequency.....**: 100 kHz (300 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

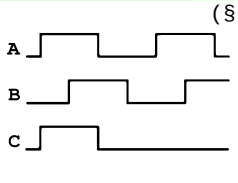
(*) custom options

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

ELECTRONICS

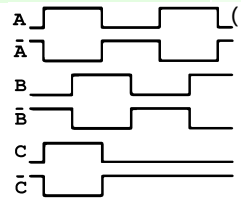
CODE	DESCRIPTION	mA
	STANDARD NPN	10
K	NPN OPEN COLL	10
Q	NPN	70
R	NPN OPEN COLL	70
P	PNP	70
U	PNP OPEN COLL	70
B	PUSH-PULL PRO	70
H	PUSH-PULL	70

(§)



CODE	DESCRIPTION	mA
N	DRIVER 26LS31	30
T	TTL 7404	10
C	DRIVER 88C30	20

(§)

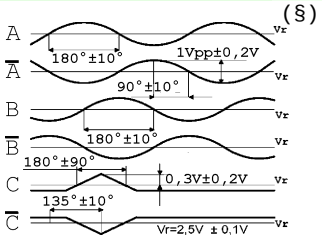


CODE	DESCRIPTION	mA

(§)

CODE	DESCRIPTION	mA
Y	SINUSOID.1Vpp	10

(§)



Tolerance between phases ± 25° , symmetry ± 15°

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

elcis

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POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION
L	Low temperature		
Y	Unbreakable disk	K	Invert. phase A,B,Zero.
Z	Sealed ball bearing	J	Zero logic combination
B	Low torque ball bear.	M	Impregnated electronic
		A	High temperature
S	160 KHz frequency	G	Tropicalization
W	300 KHz frequency		
X	Custom options		

POSSIBLE CONNECTIONS

CABLE	OUTPUT:
CV	RAD
CONNECTOR	**OUTPUT:**
CABLE END CONNECTOR	**OUTPUT:**
VM TM VL TL VD VH VH5 VI VE VK TK VN VH6 VM5 VM9 VS VD5	RAD
TERMINAL BOX	**OUTPUT:**

ORDERING INFORMATION

POSSIBLE HOLLOW Ø

(6)	Ø 6
(8)	Ø 8
(10)	Ø 10
(12)	Ø 12
(15)	Ø 15
(n)	Ø n upon requ.
( )	
( )	
( )	
( )	
( )	
( )	
( )	
( )	

( )	STANDARD NPN
(K)	NPN OPEN COLL
(Q)	NPN
(R)	NPN OPEN COLL
(P)	PNP
(U)	PNP OPEN COLL
(B)	PUSH-PULL PRO
(H)	PUSH-PULL
(N)	DRIVER 26LS31
(T)	TTL 7404
(C)	DRIVER 88C30
( )	
( )	
( )	
(Y)	SINUSOID.1Vpp
(X)	CUSTOM OPTION
( )	
( )	

CABLE IP65

(CV)	1 m long
( )	
( )	

TERMINAL BOX IP00

( )	

CONNECTOR

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( )
( )
( )

CABLE END CONNECTOR IP65 encoder output

(VM)	7c normal
(TM)	7c sealed
(VL)	10c normal
(TL)	10c sealed
(VD)	9c
(VH)	12c anticlock.
(VH5)	12c clock-wise
(VI)	12c crimped
(VE)	5c
(VK)	17c normal
(TK)	17c sealed
(VN)	12c
(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

81AM / **500** / **5** / **BZ** / **N** / **CV** / **R**

(L)	( )	
(Y)	(K)	
(Z)	(J)	
(B)	(M)	
( )	(A)	
( )	( )	
( )	( )	
(S)	(G)	
(W)	( )	
( )	( )	
( )	( )	
(X)		

1 ÷ 3600

(Vcc)

(5)	5 V ±5%
(824)	8÷24 V
(1828)	18÷28 V
(815)	8÷15 V
(12)	12 V ±5%
(24)	24 V ±5%
(1230)	12÷30/12 V
(8245)	8÷24/5 V
(1030)	10÷30 V
(18285)	18÷28/5 V
(1530)	15÷30/15 V
( )	

(M)	Monodirectional
(B)	Bidirectional
(BZ)	Bidirectional + zero
(MZ)	Monodirectional + zero

RAD	( )
	(R)

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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