YANKEE 2

Yankee 2 is an electronic position sensor that is interfaced with rotation elements and will return a signal according to the angular position.

Every position of the shaft is univocally associated with a single analogue signal which can be in voltage, in current, PWM, or it can be with CAN OPEN output. With 4096 counts per revolution, measuring accuracy is guaranteed.

Forty years of experience in the sector of rotary limit switches have given life to a project that combines state-of-the-art industrial electronics with precision mechanics.

Yankee is made with top-quality materials and with the best components available on the market to guarantee long service life, precision and repeat accuracy even in extreme conditions.

Yankee 2 in the version for internal use is installed in rotary limit switches types GF4C and SF12C to respond to the need to control multi-revolution rotors. The product is designed for easy assembly and wiring together with standard normal sets of cams.

Yankee 2 can be used in a variety of industrial sectors, from hoisting to automation, to meet any need in terms of registration and identification of modern production machines, wherever controls are needed, regardless of the nature of the mechanic system and its complexity, to reduce and unify the system of angular positioning sensors.

TER

▬ SPECIFICATIONS

Conformity to Community Directives	2004/108/CE
Conformity to Standards	EN 60529 EN 61326
Markings	CE

▬ ELECTRICAL SPECIFICATIONS

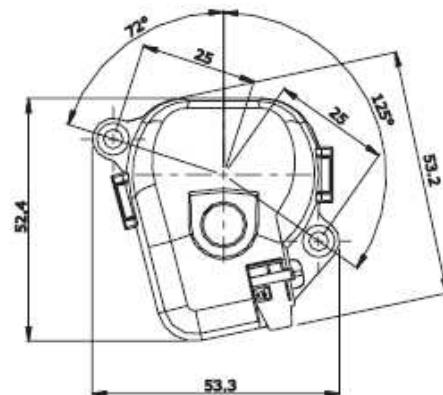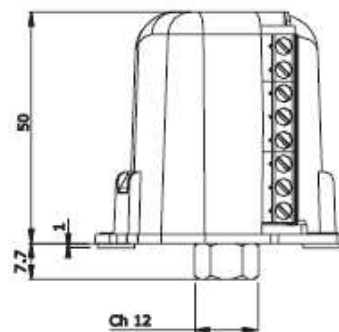|	
Power supply	12V dc
Absorption	70 mA
2 V1 and V2 voltage outputs with difference of 120°	0-10V dc
Alarm output related to V1	5-0 VDC
Current output I	4-20 mA
Alarm output related to I	5-0 VDC
PWM output	f=1kHz Duty Cycle 0-100%
CAN Interface	In conformity with CAN profile Open 406 (Class C1 encoder)
Resolution	12 bit
Linearity	+/- 0.5%
Full scale tolerance	+/- 0.5%
Setting zero point	Via push button/cable or by setting CAN Open preset value

▬ MECHANICAL SPECIFICATIONS

Free rotation	360°
Protection degree	IP 00
Operational temperature	-25°C / +70°C
Mechanical life	> 5 million rotations

▬ STANDARD CODE NUMBERS

Code	No. of channels	V1 voltage output	V2 voltage output	V1 alarm output	I current output	I alarm output	PWM output	CAN OP output
PF61201001	1	x		x			x	
PF61201002	1	x		x	x	x		
PF61202003	2	x	x	x			x	
PF61203001	1							x

▬ OVERALL DIMENSIONS

■■■■ TERMINAL CONNECTIONS

PF61201001 - 1 voltage channel

Terminal	Function	Value
8	Power supply	12 VDC
7	Earth	GND
6	V1 output	0÷10 VDC
5	not connected	
4	PWM output	0÷100% Duty Cycle
3	Alarm output	5÷0 VDC
2	Button	**
1	Button	**

PF61201002 - 1 voltage channel/1 current channel

Terminal	Function	Value
8	Power supply	12 VDC
7	Earth	GND
6	V1 output	0÷10 VDC
5	I1 output	4÷20 mA
4	PWM output	0÷100% Duty Cycle
3	Alarm output	5÷0 VDC
2	Button	**
1	Button	**

PF61202003 - 2 voltage channels

Terminal	Function	Value
8	Power supply	12 VDC
7	Earth	GND
6	V1 output	0÷10 VDC
5	V2 output (with difference of 120° vs V1)	0÷10 VDC
4	PWM output	0÷100% Duty Cycle
3	Alarm output	5÷0 VDC
2	Button	**
1	Button	**

PF61203001 - CAN OPEN output

Terminal	Function	Value
8	Power supply	12/24 VDC
7	Earth	GND
6	Can L	
5	Can H	
4	not connected	
3	not connected	
2	Button	***
1	Button	***

** Join terminal 1 and terminal 2 for less than 2 seconds, to adjust the scale zero on the V1 output in the position of the sensor. If the contact is kept closed for longer than 2 seconds the scale zero will be incremented with steps of 200mV per second.

*** Join terminal 1 and terminal 2 for less than 1 second, to adjust the scale zero in the position of the sensor.

adresimiz
değişti

Emekyemez Mah.Yüksek Minare Sk. No:8 / 17
80020 Karaköy / İstanbul
Tel:212/2359535
Fax:212/2359537