

FTS3

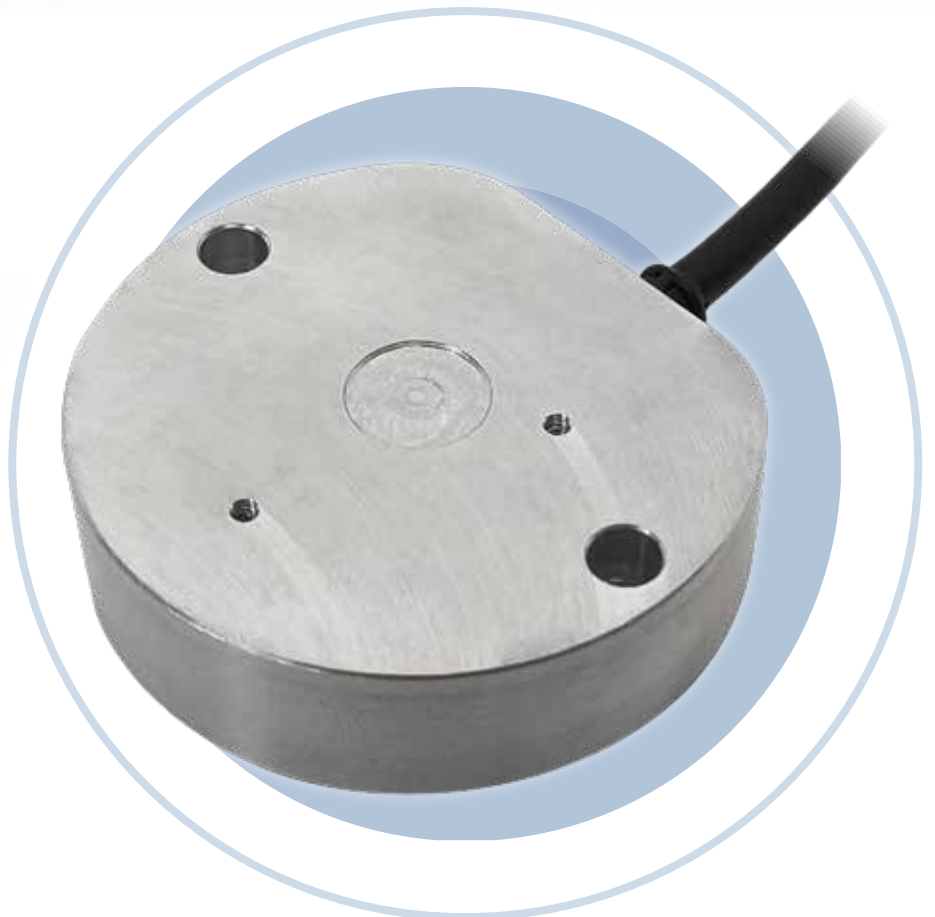
“END OF SHAFT” MAGNETIC ANGLE ENCODER



*Wear free magnetic encoder for synchronous electric motors.
Its design and technology improve performances minimizing
overall motor dimension.*



FTS3 solution fits wide range of electric motors dedicated for in specific traction power units. Its enhanced design, allow most compact installation on the motor assembly, optimizing total motor effectiveness.



KEY VALUES



Shock proof



Magnetic technology



SIN/COS
Analog Out



IP68 and IP69K
protection class



Wide temperature
range

Description	P/N
FTS3	1107265

Default Parameters:

Sin-Cos output

2,5V centered output

Magnet included



APPLICATIONS



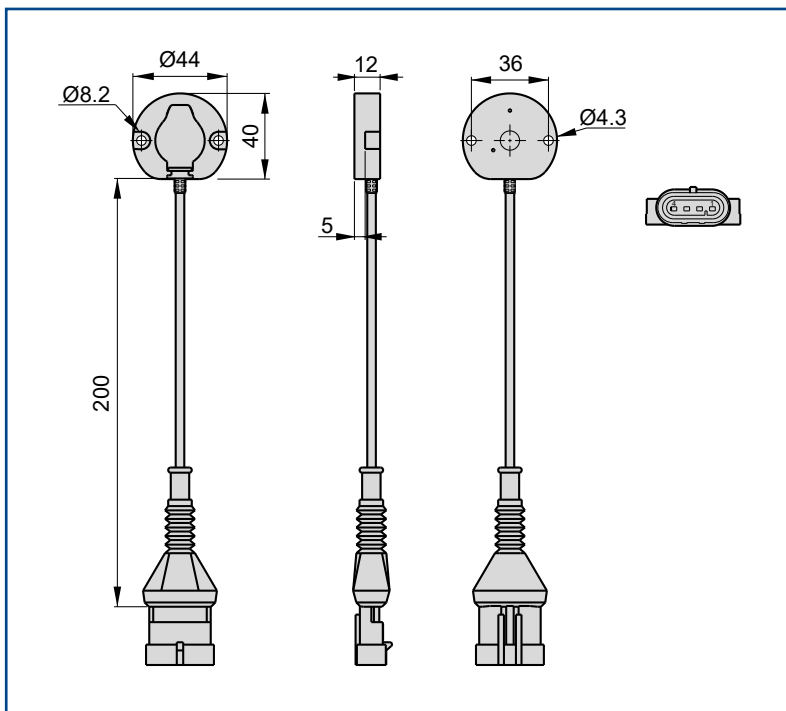
Electric motors

TECHNICAL DATA

Measurement Range	360° mechanical, accepting variable number of poles
Supply voltage	+5V.
Output signal	Sin-Cos
Linearity	up to 0,6°
Working temperature	-40°C ... +105°C
Maximum speed	60.000 rpm
Vibrations	20g between 10 Hz ... 2000 Hz IEC 60068-2-6.
Shock	Pulse on 3 axes; 50g 11 ms IEC 60068-2-27.
Electromagnetic compatibility	2014/30/EU Electromagnetic Compatibility (EMC).
Protections and immunity	Protected against reverse polarity and short circuit
IP Protection Level	IP67

All performance data are values resulting from qualification tests on specific configuration sample production batch.
Final product configuration, actual application and respect of installation recommendation may impact on some performance data.
Where not differently indicated, data refer to Tamb condition test environment.

DIMENSIONS



ORDERING KEY

FAMILY	SUBFAMILY	CASE MATERIAL	CONNECTOR	CHANNEL 1 RANGE (±)	CHANNEL 2 RANGE (±) AND VERSE	SUPPLY VOLTAGE	OUTPUT TYPE	SPECIAL / CUSTOM FEATURE / SW / CUSTOMER	MANUAL ZERO HALL PEN	FACTORY LINEARITY TABLE SUPPLIED	ACCESSORIES / MAGNET TYPE	PROJECT REVISION
SPEED POSITION	3 End of shaft	A Aluminium	A1 Pigtail AMP 4 poles 20cm	W360 clock wise ±xxx°	0NOT Single channel	L 5Vdc	010 SIN-COS	000 standard	0 not available (standard)	0 not supplied (standard)	002 Disk magnet D: 4mm	1

EXAMPLE OF RESULTING ORDERING CODE

FTS3.A.A1.W360.0NOT.L.010.000.0.0.002.1

Further possibilities available, some options are mutually exclusive, please contact our team for more details.