152G7-E

Optical speed sensor, 300 kHz

SN: O########

Optel-Texys sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Measurements features			
Diffuse reflection (function encoding and Albedo)		1 < D < 10 (B&W stripes)	mm
Through-beam		50	mm
Electrical features			
Transmitters		850nm + 660nm	
Supply voltage		7 to 30	Vcc
Average current consumption (12Vcc)		<45	mA
Possible inrush current and duration		>1 <10	A µs
Receiver		Si PIN photodiode	
Switching frequency		0 < F < 300	kHz
Commuting time (10% – 90%)	Rise time	50	ns
	Fall time	50	ns
Sensor setting		Automatic threshold and gain control	
Voltage output		TTL	
Target indicator		White LED + top of fiber visible light patented concept	
Protection		Temporary short-cut	
Mechanical features			
Box		Anodized AU4G, standard in black	
Mass		65	g
Dimension		18.80x18.80x52.35	mm
Environmental features			
Protection		IP64	
Vibration test		20Gpp 5'	
Shock		500	G
Amplifier operating temperature		-10 to +70	°C
Storage temperature		-20 to +80	°C

Date		Operator	
Customer			
Order			
Ref	152G7-E		

Cable		
☒Default 4x26AWG FEP tinned copper braided cable 250V 200°C Length: 1500 mm ±10% Tubing: None Connector: plug & play on option		
Color	**Function**	**Pin**
Red	Supply	-
Green	Signal	-
Black	0V	-
White	Do not use	Not connected
Braid	-	

Recommended probes features		
Diffuse reflection standard / Slit ending fiber probe	Multi YO / Multi SLIT YO	
Through-beam standard / Slit ending fiber probe	Multi FFO / Multi SLIT FFO	
Standard temperature range	-5 to +80	°C
Limit temperature range	-50 to +120	°C
High temperature probe	On specification	°C

Mechanical drawing