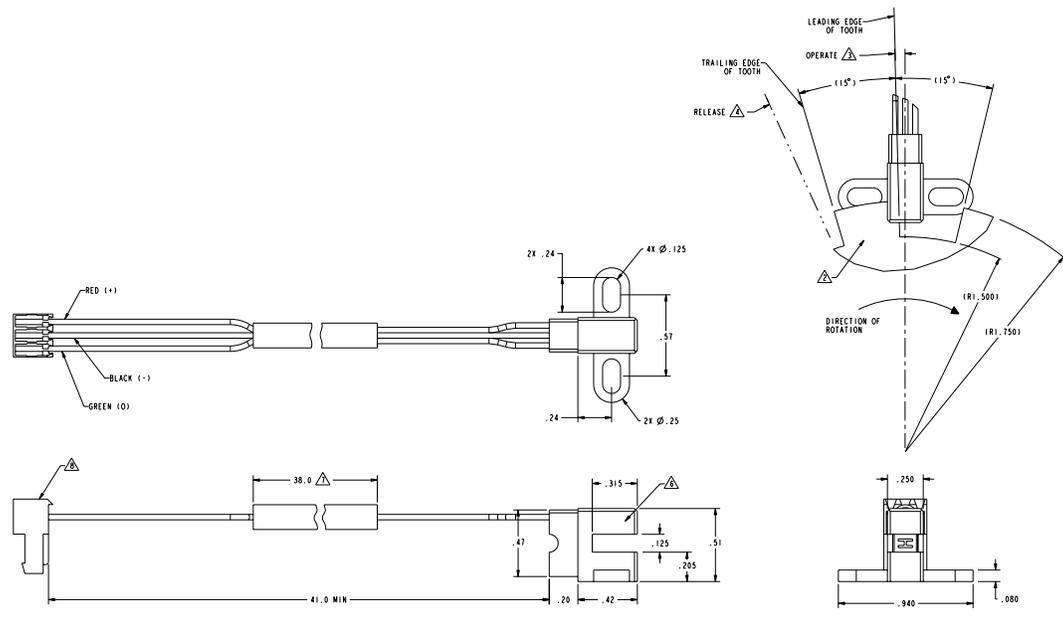


REV	DOCUMENT	CHANGED BY	CHECK
1	202777	TRF OSAPRO1	SAV



ELECTRICAL CHARACTERISTICS		
SPECIFIED VOLTAGE RANGE	CONDITION	3.8 TO 30 VDC
MAX Ioff	Vcc=30V, Isink=20mA, -20°C<+85°C, B=MAX OP	9.0 mA
MAX Ion	Vcc=30V, Isink=20mA, -20°C<+85°C, B=MAX OP	10.0 mA
RATED SINK CURRENT		20 mA
MAX Vout	Vcc=3.0V, Isink=20mA, B=MAX OP	0.4 V
MAX LEAKAGE CURRENT	Vout=30V, Vcc=24V, B=MIN REL	10 µA
RISE TIME 10% TO 90%	T=25°C, Vcc=12V, R2=1.6 KΩ, C2=20pF	1.5 µS
FALL TIME 90% TO 10%	T=25°C, Vcc=12V, R2=1.6 KΩ, C2=20pF	1.5 µS

OPERATING SPECIFICATION		
	LIMIT	CONDITIONS
OPERATE	1.5°±2.0°	TARGET ENGAGEMENT .150 TO .300 RPM 0 TO 5000
RELEASE	3.0°±2.5°	SLOT DEPTH .250 MIN

ABSOLUTE MAXIMUM RATINGS	
TEMPERATURE	-20°C TO +85°C
SUPPLY VOLTAGE (Vcc)	3.8 VDC TO 30 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+0.5 TO +30 VDC
OUTPUT CURRENT	50 mA
MAGNETIC FLUX	NO LIMIT; CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

NOTES
 1 - MOUNTING SPECIFICATION: NON-FERROUS #4 MACHINE HEAD SCREWS WITH .250 WASHERS TORQUED TO 3-5 INCH LBS.
 SUGGESTED TARGET CONFIGURATION, MATERIAL: .045 LOW CARBON STEEL.
 HIGH PERMEABILITY, LOW RESIDUAL INDUCTION
 OPERATE (DEGREES) IS THE ANGULAR DISTANCE FROM THE LEADING EDGE OF THE TOOTH TO THE CENTERLINE OF THE SENSOR
 RELEASE (DEGREES) IS THE ANGULAR DISTANCE FROM THE TRAILING EDGE OF THE TOOTH TO THE CENTERLINE OF THE SENSOR
 OPERATING SPECIFICATION IS BASED ON TARGET SHOWN AND WILL VARY WITH TARGET GEOMETRY
 MONTWELL PART NUMBER AND DATE CODE, ANY SURFACE
 BLACK PVC JACKET
 AMP CONNECTOR P/N 640442-3 (FOR 26 ANG)

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	DECIMAL	FRACTION	ANGLE	DRAWN	TRF	OSAPRO1									
NO PLACE	.040	3/16		CHECK	SAV	OSAPRO1									
ONE PLACE	.010	3/32	30.0	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MONTWELL											
TWO PLACE	.005	3/64		SENSE AND CONTROL - THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF MONTWELL.											
THREE PLACE	.0005			DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED											
THIRD ANGLE PROJECTION	<table border="1"> <tr> <td>SIZE</td> <td>DWG TYPE</td> <td>DRAWING NAME</td> <td>REV</td> </tr> <tr> <td>PIC 30</td> <td>ASME Y14.5M-1994</td> <td>VANE SENSOR (MAGNETIC)</td> <td>1</td> </tr> </table>							SIZE	DWG TYPE	DRAWING NAME	REV	PIC 30	ASME Y14.5M-1994	VANE SENSOR (MAGNETIC)	1
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