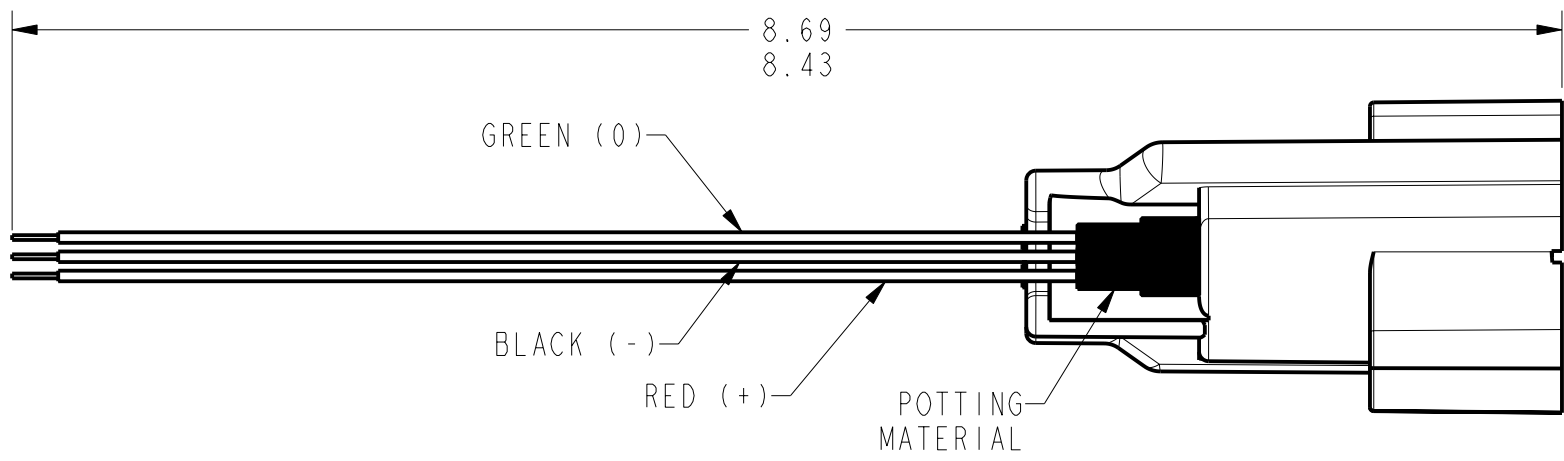


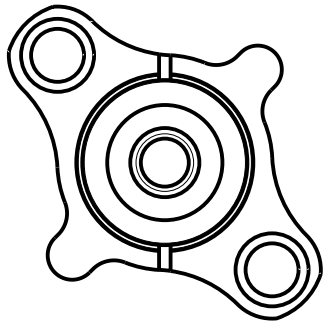
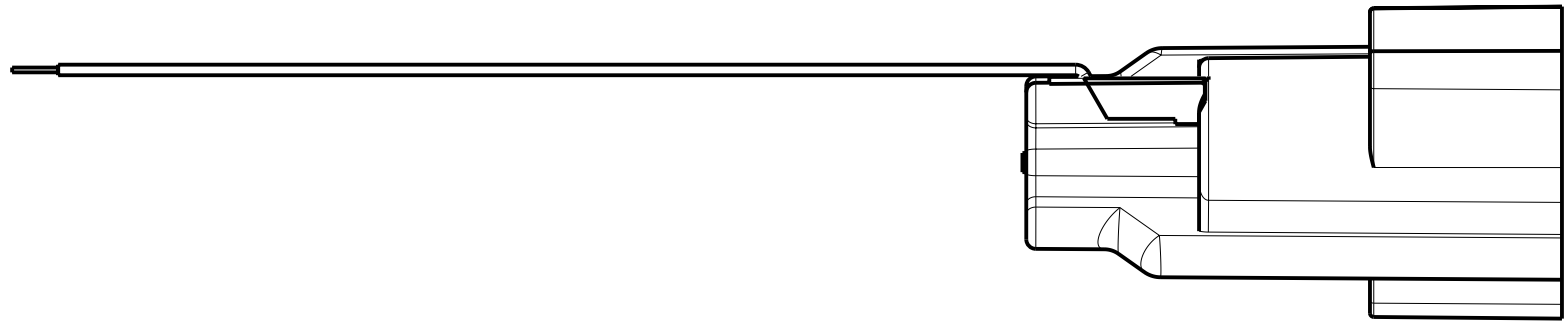
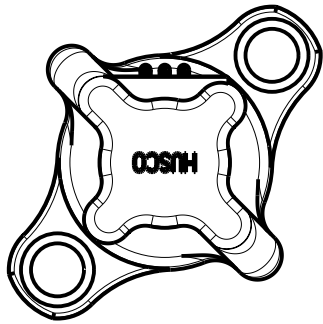


SR14N-C4



ABSOLUTE MAXIMUM CHARACTERISTICS					
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	V _{cc}		-0.5	11	V
OUTPUT VOLTAGE	V _{out}		-0.5	11	V
OUTPUT CURRENT	I _{out}	SOURCE OR SINK		10	mA
TEMPERATURE	T _j	OPERATING	-55	150	°C
	T _s	STORAGE (V _{cc} = 0)	-55	165	°C

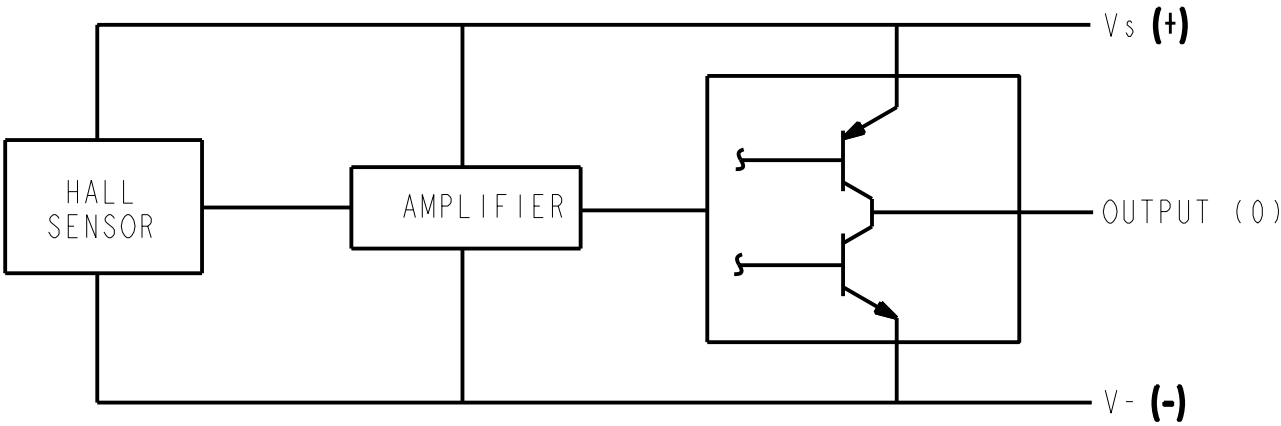
VOLTAGE OUT AT MAX TRAVEL (±0.3 FROM CENTER VOLTAGE)			1
	MIN	MAX	
EXTENDED	3.0	4.9	
RETRACTED	0.1	2.0	
CENTERED	2.0	3.0	

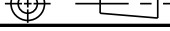


NOTES
1 WHEN ASSEMBLED WITH 1MGI1 TO PROPER DIMENSION
2 AT 0 GAUSS

CHARACTERISTICS ARE AT V _s = 5.00 WITH 4.7K OUTPUT TO MINUS WITH TA = -40°C TO +125°C UNLESS OTHERWISE SPECIFIED					
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS 2
SUPPLY CURRENT	TA = 25°C	2.425	2.50	2.575	VOLTS
OUTPUT CURRENT SOURCE	TA = 25°C		7	8.7	mA
SINK	V _s > 4.5	1mA	15mA		
	V _s > 4.5	.6mA	15mA		
	V _s > 5.0	1mA	15mA		
RESPONSE TIME			3 μs		
OUTPUT VOLTAGE SWING VOM- VOM+	-B APPLIED	.4	.2		VOLTS
	+B APPLIED	V _s -.4	V _s -.2		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
V _{null} DRIFT	B = 0	-0.06		±0.06	% / °C
SENSITIVITY DRIFT	TA = +25°C TO +125°C	-0.01		±0.05	% / °C
SENSITIVITY DRIFT	TA = -40°C TO +25°C	0		±0.06	% / °C
LINEARITY	B = -600 TO +600	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	-40°C TO +125°C	4.5	5.0	10.5	VOLTS
OPERATING TEMP		-40		±150	°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



THIRD ANGLE PROJECTION		
		
SCALE	:	
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	± .030
TWO PLACES	(.00)	± .015
THREE PLACES	(.000)	± .005
ANGLES		±
WEIGHT		

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CATALOG LISTING		
MICRO SWITCH a Honeywell Division	HALL EFFECT SENSOR	SR14N-C4
FED. MFG. CODE 91929		

ANSI Y14.5M-1982 APPLIES