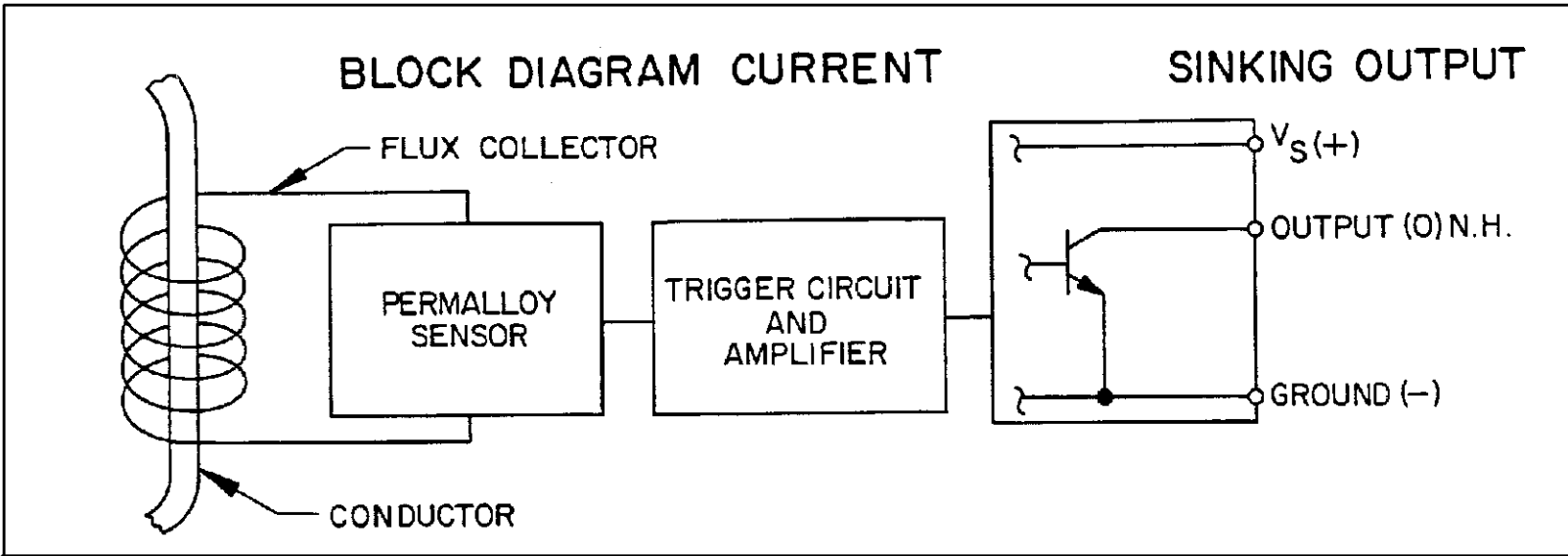
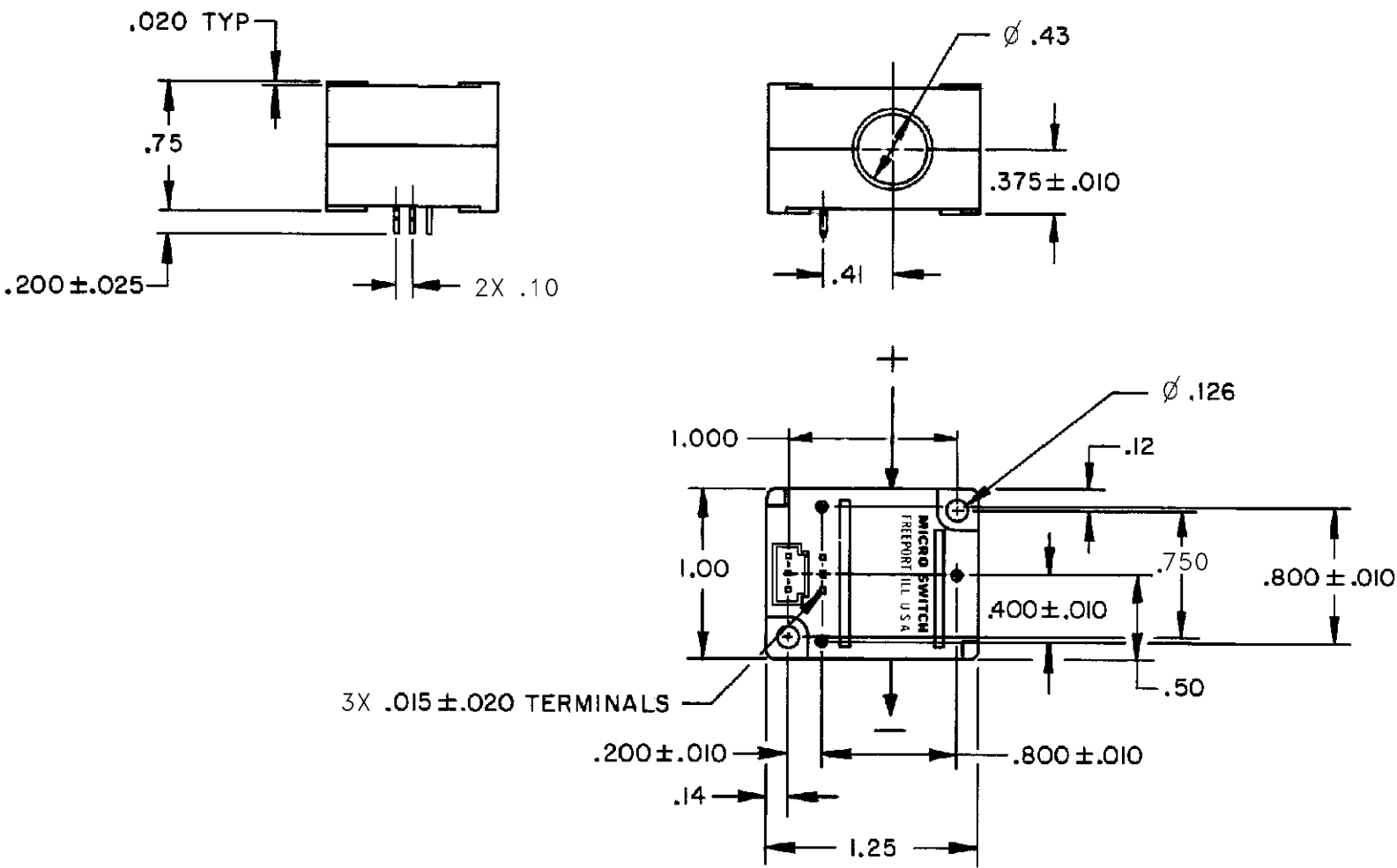




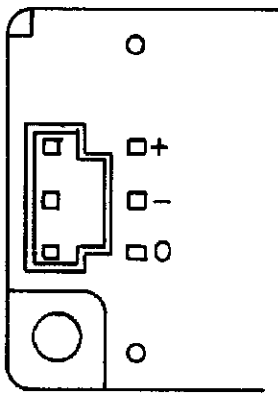
ABSOLUTE MAXIMUM RATING ⁴

SUPPLY VOLTAGE (V _S)	24 VDC FOR DEVICE WITH RECOMMENDED V _S OF 6-16 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+20.0 VDC MAX. WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MIN WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	20mA
TEMPERATURE	-40°C TO +125°C
CURRENT	DEVICE WILL NOT BE DAMAGED BY CURRENT OVER-DRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT (WITHOUT LOAD) ³		2.5mA	12.0mA 9.0mA	MAX (OPERATED) MAX (RELEASED)
OUTPUT VOLTAGE (OPERATED) ²		0.26V	0.45V	SINKING 20 mA MAX
OUTPUT LEAKAGE CURRENT (RELEASED) ²			10 μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 8mA) ²				
RISE TIME		0.2 μS	1.5 μS	1.0% TO 90%
FALL TIME		0.1 μS	0.5 μS	90% TO 10%

PINOUT STYLES



NOTES

- 1 SCREW MOUNTING
- 2 AT RATED SUPPLY VOLTAGE AND OVER A TEMPERATURE RANGE OF -25°C TO +85°C
- 3 AT A TEMPERATURE OF 24±2°C AND A SUPPLY VOLTAGE OF VDC ± 0.5%
- 4 ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED
- 5 OPERATING CURRENT SPECIFICATIONS ARE FOR CONVENTIONAL CURRENT FLOW IN THE INDICATED DIRECTION. WITH CONVENTIONAL CURRENT FLOW IN THE OPPOSITE DIRECTION, THE OPERATING CURRENT WILL CHANGE. ALSO, FOLLOWING A CURRENT REVERSAL, THE NEXT FEW OPERATIONS IN THE FORWARD DIRECTION MAY HAVE A MINOR SHIFT IN OPERATE POINT
- 6 EXPOSURE TO LARGE STRAY MAGNETIC FIELDS COULD EFFECT THE OPERATING CURRENT

OPERATE CURRENT ⁵ (AMP-TURNS) ⁶ @ 25°C	OPERATE CURRENT ⁵ (AMP-TURNS) ⁶ -25°C TO +85°C	RELEASE CURRENT (AMP-TURNS) -25°C TO +85°C	SUPPLY VOLTAGE (V _S)	RESPONSE TIME (μS) MAX	DESIGNATION
0.50 +.09 -.28	0.50 +.21 -.35	.08 MIN	6-16	100	ONE TURN
0.50 +.38 -.02	0.50 +.50 -.09	.08 MIN	6-16	100	TWO TURN

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

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MICRO SWITCH a Honeywell Division FED. MFG. CODE 91929	CURRENT SENSOR	CATALOG LISTING CSDA1BA-S

THIRD ANGLE PROJECTION	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ±.030
TWO PLACES	(.00) ±.015
THREE PLACES	(.000) ±.005
ANGLES	±
WEIGHT	