MODEL 1221
LIMIT STYLE

INDUSTRIAL SOLID STATE PROXIMITY SWITCH

Kanson Electronics, Inc.

DC Limit Style

FEATURES

The 1221 is a low cost limit style DC, three wire, proximity switch. When used with the 1262 provides a MSHA approved motion sensing system.

ORDERING DATA

ORDERING CODE **1221 - 1 - A - 1 - A**

The 1221 is currently only available as an end sensing, NPN sinking, normally open output, 10- 26 VDC unit.

SPECIFICATIONS

INPUT

VOLTAGE: 10 to 26 VDC,10% ripple allowed
SUPPLY CURRENT: ≤ 20 mA
TRANSIENT PROTECTION: MOV

OUTPUT

MAX. LOAD CURRENT: 100 mA (continuous)

SENSING

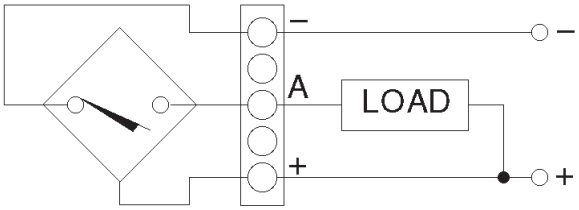
SENSING DISTANCE: 14.29 mm (0.56 in)
REPEATABILITY: ±5 mm (0.02 in)
HYSTERESIS: 3.18 mm (0.12 in)
TARGET SIZE: 40mm x 40mm x 1mm mild steel
SWITCHING FREQUENCY: 1.0 kHz maximum
RANGE DERATING:

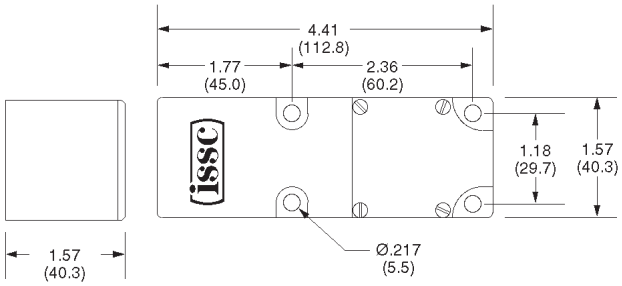
Chrome-nickel	0.9
Brass	0.5
Aluminum	0.45
Copper	0.4

PHYSICAL

OPERATING TEMP: -20˚C to +65˚C(-4°F to +149°F)
HOUSING MATERIAL: Fire-retardant ABS/polycarbonate blend
ENVIRONMENTAL RATING: NEMA 1,3,4,6,12,13,IP67
TERMINATION: Internal terminal block

WIRING



WIRING TO INTERNAL TERMINAL STRIP

DIMENSIONS inches(millimeters)