

# SENITEC

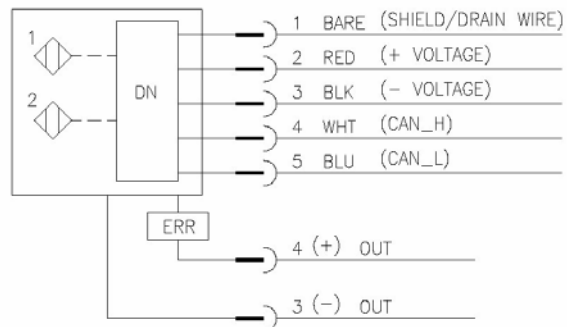
Position Indication Devices

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**Inductive  
Switch  
IS55DNET**

## DATA SHEET INDUCTIVE SWITCH IS55DNET

**DeviceNet™**



SHORT-CIRCUIT AND OVERLOAD PROTECTED

### ELECTRICAL CHARACTERISTICS:

#### SWITCH RATING

INPUT VOLTAGE ( $V_{IN}$ ) 11 to 25 VDC  
OUTPUT CURRENT  $\leq 80$  mA  
OUTPUT VOLTAGE ( $V_{IN} - 3$ )VDC  
NO-LOAD CURRENT  $\leq 60$  mA  
MAX SWITCHING FREQ  $\leq 0.05$  kHz  
RATED INSULATION VOLTAGE  $\leq 0.5$  kV  
SHORT-CIRCUIT PROTECTION YES  
WATCHDOG NO  
WIRE BREAKAGE PROTECTION  $\leq 0.1$ mA  
OUTPUT LEDs YELLOW: OUTPUT, RED: WIRE BREAK  
SWITCHING INDICATION (SO1, SO2) 2 LEDs: YELLOW/YELLOW  
STATUS LED 1 LED: RED/GREEN

### MECHANICAL CHARACTERISTICS:

OPERATING TEMPERATURE -25 TO 70°C  
RATED SENSING DISTANCE 4 mm  
MIN REPEAT ACCURACY  $\leq 2\%$   
VIBRATION RESISTANCE 55 Hz (1 mm)

### DEVICENET DATA:

#### INPUT DATA

BIT 0 SO1 INPUT/BIT 1 SO2 INPUT/  
BIT 2 OUTPUT ERROR/BIT 7 INPUT ERROR  
BIT 3 – BIT 6, NOT USED

#### OUTPUT DATA

BIT 0, VALVE OUTPUT  
BIT 3 – 7, NOT USED