

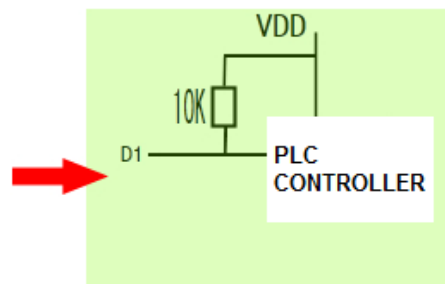
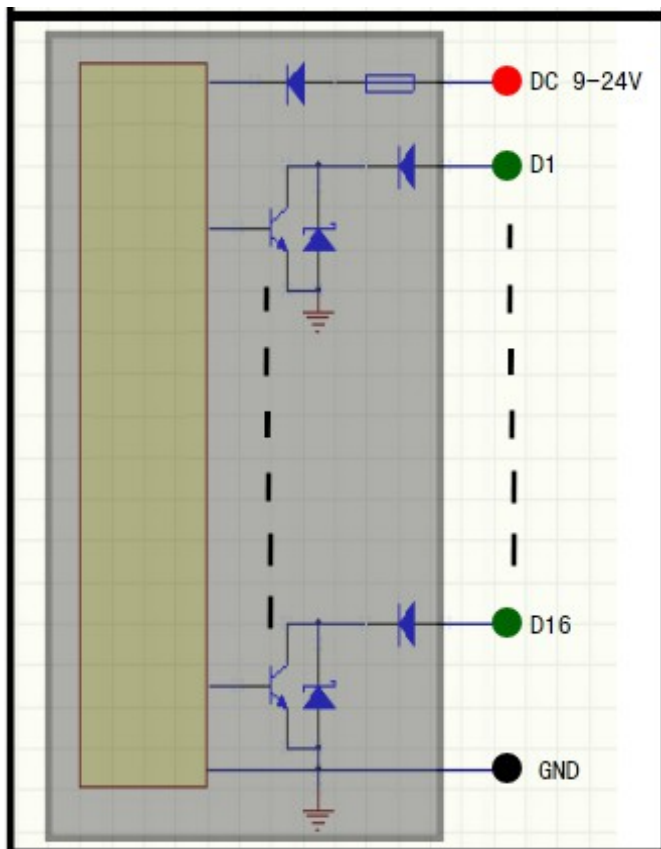
IMGS-H16 MAGNETIC GUIDANCE SENSOR

- 16 channel with 10mm spacing
- High sensitivity
- Individual output LED
- Power indicator LED
- DC2 20P Connector type
- Low power consumption
- Widely used for AGV

*8CH also available (IMGS-H8)



SPECIFICATIONS & OUTPUT CIRCUIT



Recommendation:
Please connector a 10k resistor to every channel output as above diagram to provide stable output to the controller.

| | |
|-----------------------|-----------|
| Power Supply | 9-24Vdc |
| Max. consumption | 160mA |
| Output type | NPN |
| No. of Channels | 16 |
| Channel Spacing | 10mm |
| Pole Detection | N-Pole |
| Output current | 100mA |
| Sensing range | 5~55mm |
| Recommended range | 20~40mm |
| Connector | DC-20P |
| Operating temperature | -10~+50°C |

*D1 ~ D16 = OUTPUT

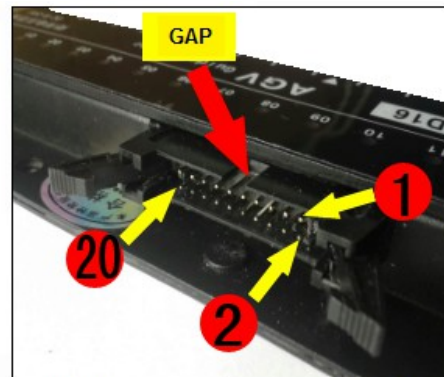
TERMINAL CONNECTION

CONNECTOR SPECIFICATIONS

HORN HOOK SOCKET DC2 20P
2 x 10P PITCH 2.5MM

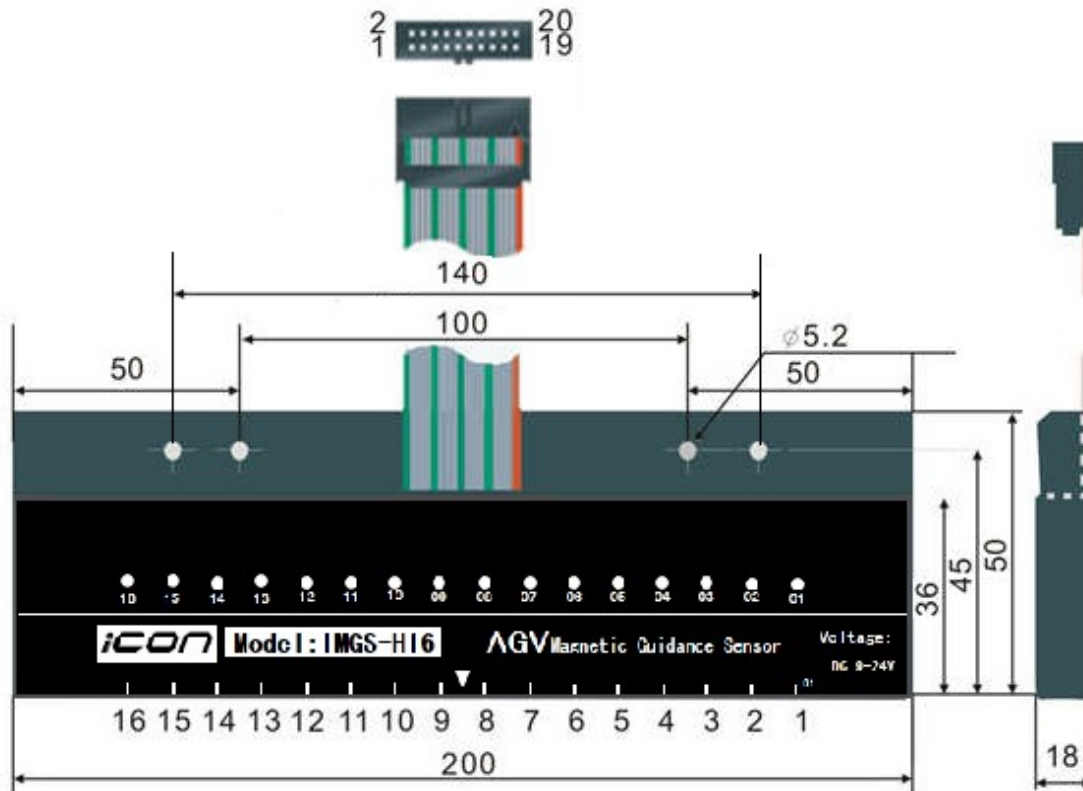


MIL-C-83503 standard



| Pin No | Connection | Pin No | Connection |
|--------|------------|--------|------------|
| 1 | 9-24V | 11 | D7 |
| 2 | GND | 12 | D8 |
| 3 | NC | 13 | D9 |
| 4 | NC | 14 | D10 |
| 5 | D1 | 15 | D11 |
| 6 | D2 | 16 | D12 |
| 7 | D3 | 17 | D13 |
| 8 | D4 | 18 | D14 |
| 9 | D5 | 19 | D15 |
| 10 | D6 | 20 | D16 |

DIMENSION



*Unit in mm