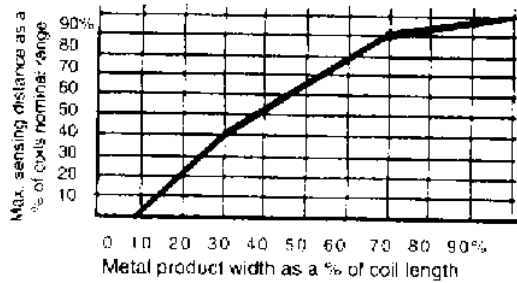


SENSING RANGE PERFORMANCE

Establishing sensing range relative to product size



As a general guideline, at least 20% of coil length should have product passing over it within 70% of the established effective range for product being detected.

Material correction factors (sensing distance):-
 Fe - 1.0, CrNi - 0.85, Al - 0.5, Cu - 0.46, Brass - 0.54

Where the material is expected to be above 100°C., ceramic insulation should be placed across the top face of the sensor. With guidance, it is practical to protect coils with steel straps across the top of the sensor. Sensors mounted end to end will necessitate the utilisation of alternate frequency units.

GENERAL SPECIFICATION DATA

ENCAPSULATION MATERIAL:

Polyurethane resin

SUPPLY VOLTAGE:

12 to 30 VDC / 80 - 250 VAC 50/60 Hz

SWITCHING FREQUENCY:

5 Hz to 40 Hz according to size of detector

SHORT CIRCUIT PROTECTION (AC Types):

2180, 2195 & 22050 - 350 mA
 Other 2 wire models - 800 mA option available

SHORT CIRCUIT PROTECTION (DC Types):

450 mA

MIN LOAD (2 wire AC types):

2180, 2195 & 22050 - 7 mA
 Other 2 wire models - 1 mA option available

LEAKAGE CURRENT at 110V AC (2 wire AC):

2180, 2195 & 22050 - 5 mA / Other Models - 2 mA

VOLTAGE DROP at 110V AC (2 wire AC type):

2180, 2195 & 22050 - 30 mA load/16V 220 mA load/21V
 Other models - 300 mA load/10V (option type)

VIBRATION & SHOCK RESISTANCE:

Better than DIN 89011 Cat 2

WATERTIGHT SPECIFICATION:

IP66 (Casing & plug option)

OPERATING TEMPERATURE RANGE:

Integral sensors - 10°C + 70°C
 Remote coils - 40°C + 100°C

SUPPLY CONNECTION CABLE:

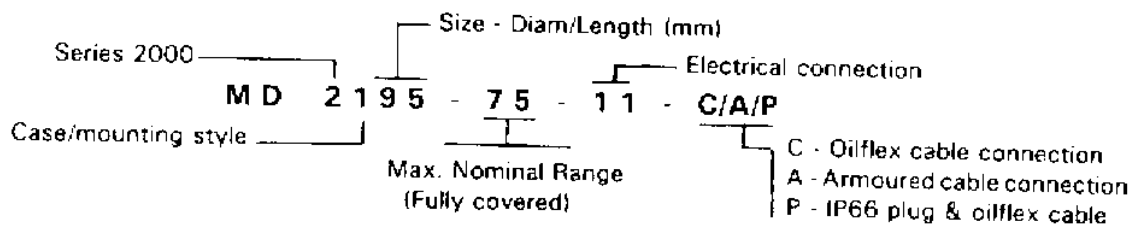
1.5 metres oilflex 2/4 x 0.5 mm² standard

1.5 metre armoured PVC cable 2/4 x 0.7 mm² option

COIL CONNECTION CABLE:

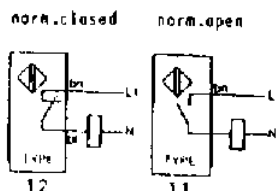
2 metres of coaxial cable

SPECIFYING THE CORRECT STYLE & SIZE OF SENSORS

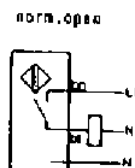


ELECTRICAL CONNECTION DATA

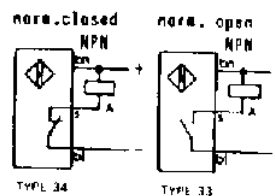
TYPE 11 - 2 WIRE AC (standard)
 TYPE 71 - 2 WIRE AC (Option rated)



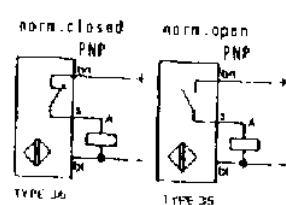
TYPE 13 - 3 WIRE AC



TYPE 33 - 3 WIRE DC



TYPE 35 - 3 WIRE DC



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The information presented herein is, to the best of our knowledge, accurate. However, please ensure that this information has not been amended or superseded.