

MTL4715+

FOR FOUR 12V dc SYSTEMS



The MTL4715+ is a 4-channel barrier designed for 12V dc applications. It can also be used for 4-wire RTDs that are powered by 10V supplies and which cannot, therefore, be handled by MTL4760ac modules, the recommended barrier for these. The module is not designed to operate with bussed power.

SPECIFICATION

(See also common specification)

Channel numbers

1 to 4

Safety description

15V, 100Ω, 150mA

Polarity

Positive

Max. end-to-end resistance

118Ω

V_{wkg} at 10μA

12.7V

V_{max}

13.7V

Fuse rating

100mA

Matched power

0.56W

MTL4722+

FOR FOUR 18V dc SYSTEMS



The MTL4722+ is a 4-channel barrier designed for 18V dc applications. The module is not designed to operate with bussed power.

SPECIFICATION

(See also common specification)

Channel numbers

1 to 4

Safety description

22V, 150Ω, 147mA

Polarity

Positive

Max. end-to-end resistance

185Ω

V_{wkg} at 10μA

19.0V

V_{max}

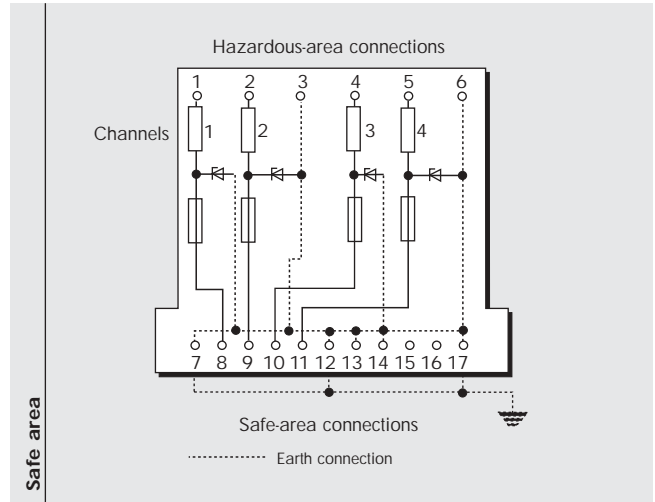
20.2V

Fuse rating

50mA

Matched power

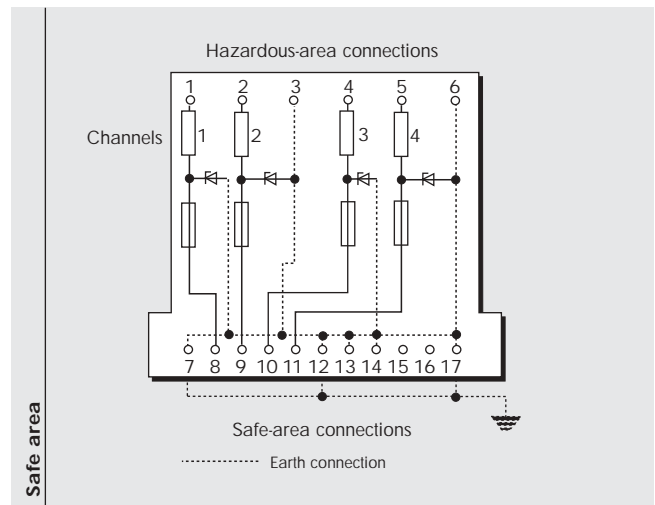
0.81W



MAXIMUM CABLE PARAMETERS

(for single channel with earth return)

BASEEFA (group IIC)			FM (groups A & B)	
Capacitance (μF)	Inductance (mH) or L/R ratio (μH/Ω)		Capacitance (μF)	Inductance (mH)
0.75	1.65	65	0.79	1.37



MAXIMUM CABLE PARAMETERS

(for single channel with earth return)

BASEEFA (group IIC)			FM (groups A & B)	
Capacitance (μF)	Inductance (mH) or L/R ratio (μH/Ω)		Capacitance (μF)	Inductance (mH)
0.26	1.75	46	0.28	2.08

