

MTL4763Pac

FOR STRAIN-GAUGE BRIDGES



The MTL4763Pac is a triple 2-channel barrier designed for strain-gauge bridge applications with IIC gas groups, for which function it combines the circuits of one MTL766Pac and two MTL761Pac units. Channels 1 and 2 (equivalent to the MTL766Pac) supply power to the bridge while channels 3 and 4 (equivalent to one MTL761Pac) interface with the sensing circuit and channels 5 and 6 (equivalent to the other MTL761Pac) interface with the pick-off circuit. As channels 3 to 6 are identical in specification, the functions of channel pairs 3 and 4 and 5 and 6 are interchangeable; ie. channels 3 and 4 can be used for the output, while channels 5 and 6 can be used to sense the supply. The MTL4763Pac is normally intended to be used on general-purpose backplanes. If used on a bussed-power backplane, channels 5 and 6 cannot be used, because, on this type of backplane, module base connections pins 13 and 14 are not accessible.

SPECIFICATION

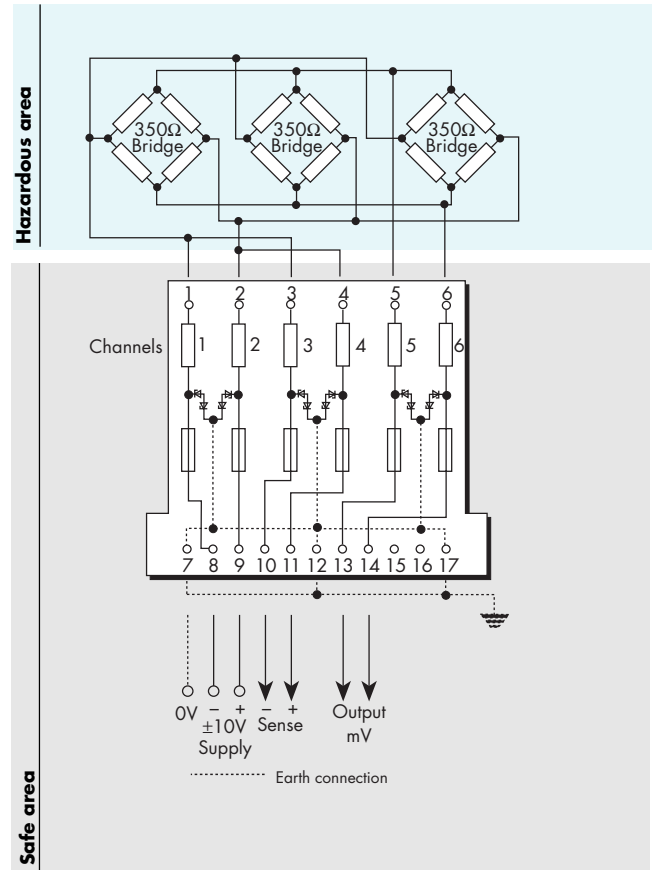
(See also common specification)

Channel numbers 1 and 2	Channel numbers 3, 4, 5 and 6
Safety description 12V, 75Ω, 160mA	Safety description 9V, 350Ω, 26mA
Polarity ac	Polarity ac
Max. end-to-end resistance 90Ω	Max. end-to-end resistance 375Ω
V_{wkg} at 1μA 9.8V	V_{wkg} at 1μA 7.0V
V_{max} 10.9V	V_{max} 7.9V
Fuse rating 100mA	Fuse rating 50mA
Matched power 1.17W (total)	Matched power 1.17W (total)

MAXIMUM CABLE PARAMETERS

(for six channels, with earth return)

BASEEFA (group IIC)			FM (groups A & B)	
Capacitance (μF)	Inductance (mH) or L/R ratio (μH/Ω)		Capacitance (μF)	Inductance (mH)
0.18	0.17	18.4	0.22	0.24



See also approvals, dimensions and ordering information