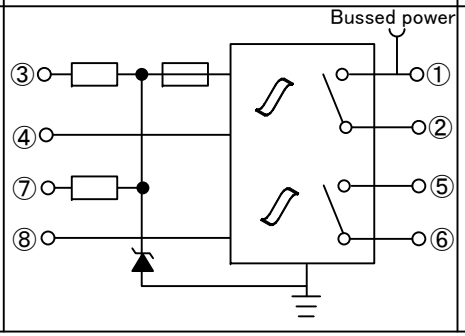
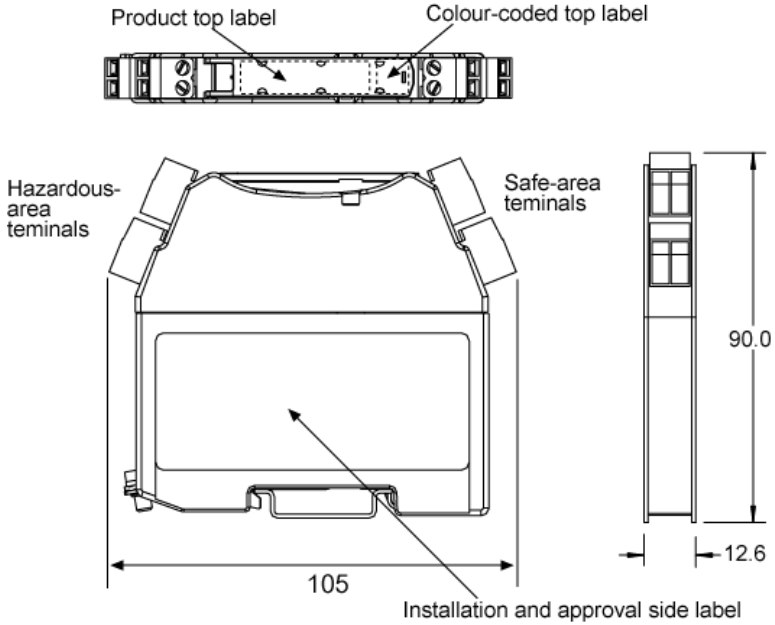
Specifications

MTL Model NO.	Safety Description V	Ω	mA	Polarities Avaiable +	−	ac	Typical Applications	Basic Circuit Hazardous / Safe	Max. end-To-end resistance Ω	Vwkg at 1μA V	Vmax V	Fuse rating mA	Remarks
7743	10 10	−	19 19				Prox sw input, solid state output and line fault detect		−	−	30	50	

Dimensions in mm



Specification

Safety description
10V 19mA
10V 19mA

Supply voltage
22.9 to 30V dc with respect to earth

Input characteristics
Relay energised if input >2.1mA(<2kΩ)
Relay de-energised if input <1.2mA(<10kΩ)

Relay Contacts
*125V ac 0.5A. Resistive
30V dc, 1A. Resistive

Supply current
45mA maximum @ 24V

Response time
<10ms

Ambient temperature and humidity limits
Ambient temperature and humidity limits
-20℃～+60℃ continuous working
-40℃～+80℃ strage
5～95% RH

Working voltage
0.6V : Leakage current is 10μA

Terminations
Removable terminals accommodate conductors up to 2.5mm² (13AWG), Hazardous-area terminals are identified by blue labels. Removal force >15N

Colour coding of barrier label
Grey: Non-polarised
Red : positive polarity
Black : negative polarity

Weight
140g apporox

Certificate No. (BASEEFA)
BAS01ATEX7217

REV.	PROJECT NAME:	Cooper Industries Japan K.K. Tokyo, Japan TEL: +81-(0)3-6430-3128 FAX: +81-(0)3-6430-3129	Title: MTL7743 Specification		
REV.	USER NAME :		SIZE	FSCM NO	Drawing No.: SS-MTL7743(E) / rev
REV.	JOB NAME:	DATE: 2009/9/30			
	Ref no.:	CHKD K.T / DRAWN I.S	SCALE N/A		SHEET 1 / 1