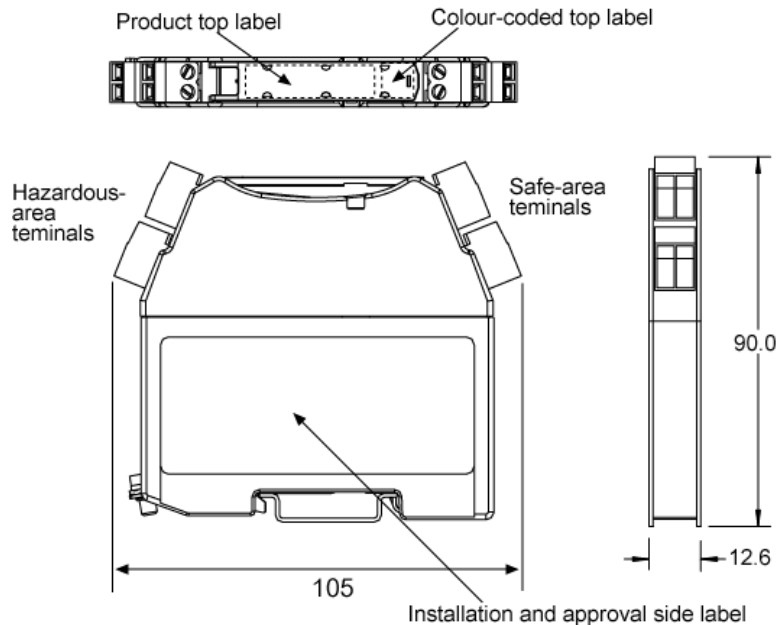


# Specifications

MTL Model NO.	Safety Description			Polarities Available			Typical Applications	Basic Circuit		Max. end-To-end resistance $\Omega$	Vwkg at $1\mu A$ V	Vmax V	Fuse rating mA	Remarks
	V	$\Omega$	mA	+	-	ac		Hazardous	Safe					
7745	10	-	19				Prox sw input, solid state output and line fault detect		-	-	30	50		

## Dimensions in mm



## Specification

### Safety description

10V 19mA

### Supply voltage

22.9 to 30V dc with respect to earth

### Input characteristics

Output energised if input  $>2.1mA (<2k\Omega)$

Output de-energised if input  $<1.2mA (<10k\Omega)$

### LED relay + Red LED

Energised if input  $<50\mu A$  or  $<100\Omega$

### Relay Contacts

\*125V ac 0.5A. Resistive

30V dc, 1A. Resistive

### Supply current

38mA maximum @ 24V

### Response time

$<10ms$

### Ambient temperature and humidity limits

Ambient temperature and humidity limits

$-20^{\circ}C \sim +60^{\circ}C$  continuous working

$-40^{\circ}C \sim +80^{\circ}C$  storage

5~95% RH

### Working voltage

0.6V : Leakage current is  $10\mu A$

### Terminations

Removable terminals accommodate conductors up to  $2.5mm^2$  (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 approx

### Certificate No. (BASEEFA)

BAS01ATEX7217

REV.	PROJECT NAME:	<b>Cooper Industries Japan K.K.</b> Tokyo, Japan TEL: +81-(0)3-6430-3128 FAX: +81-(0)3-6430-3129	Title		MTL7745 Specification	
REV.	USER NAME :		SIZE	FSCM NO	Drawing No.	rev
REV.	JOB NAME :		DATE:	2009/9/30		SS-MTL7745(E)
	Ref no.:	CHKD	K.T	DRAWN	I.S	SCALE N/A SHEET 1 / 1