Tyco / Electronics Raychem Circuit Protection

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PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: VLP190UF

DOCUMENT: SCD 25697

PCN: E23901 **REV LETTER: B**

REV DATE: MAY 26, 2005 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 16Vdc **Interrupt Current:**

Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None

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TABLE I. DIMENSIONS:

	Α		В		С)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	24.5	26.5	2.7	2.9		0.7	6.5	7.5	6.5	7.5	2.3	2.5
in*:	(0.96)	(1.04)	(0.11)	(0.11)		(0.03)	(0.26)	(0.30)	(0.26)	(0.30)	(0.9)	(0.10)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

17.BEE III 1 Etti Ottiii/1100 17.0 III0dodiod III IIIdolioi Ttorrii Olipo III0dol Bo 70tti															
I HOLD	CURRENT TRIP LIMITS								TIME	TO	REFERENCE		ONE-HOUR		TRIPPED-
									TR	ΙP	RESIS	TANCE	POST-TRIP		STATE
													RESISTANCE		POWER
															DISSIPATION
AMPS	AMPS AMPS			AMPS AMPS			SECON	IDS AT	AT OHMS		OHMS		WATTS AT		
25°C	AT 0°C		AT 2	5°C	AT 60°C		AT°C		25°C, 9.5A		AT 25°C		AT 25°C		25°C, 16V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX
1.9	2.5	6.5	1.9	4.7	0.9	2.5				5	0.021	0.036	0.021	0.072	1.8

UL, TUV, CSA Agency Recognitions:

Reference Documents: PS300

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information:

ROHS Compliant

Directive 2002/95/EC Compliant

ELV Compliant

Directive 2000/53/EC Compliant

Pb-Free



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