

tyco	300	Tyco Electronics Corporation 300 Constitutional Drive Menlo Park, CA 94025 USA		Rayo	chem		асм 090	REVIS F		ECN#; T-	APPROVED:	DATE:
Electronics	tviên			LIFICATI					י ד ער	NG		
REQUIRE	MENTS			211 101111		N I I N			1 14 1			
DIMENSIONS (FIGURE 1), DESIGN CHARACTERISTICS, AND CON REQUIREMENTS OF M39029/76 EXCEPT THAT THE TEMPERATURE INSTEAD OF 200°C. TERMINATION IS BY SOLDERING INSTEAD O CABLE ACCOMMODATED IS TWISTED PAIR INSTEAD OF COAXIAL. SEE TABLE I FOR CABLE ACCOMMODATIONS. ROVENEM THIS CONTACT IS QUALIFIED TO RAYCHEM SPECIFICATION D-0 TOOLS: SEE TABLE II.									IRE R AD OF CAL,	ATING CRIMF	IS 125*C	
TABLE I. DESIGN CHARACTERISTICS												
					СОИТ	ACT						
			CABLE	ACCOMODATED	1/ CAV SI	ITY Ze	TYF	°E	CLAS	22		
	TWIST TWIST TWIST				√G   1€	5	ם		A			
					ABLE II.							
		REFLEC	TORS <u>2</u> /	BASIC FIXTURE	FIXTURE 2/ ADAPTER		REPA FIXTI		INTA To	LLING DLS	REMOVAL TOOLS	FOLDING TOOL
AA-40 SUPER HEATE CV-530 MINI G	-400 #979663 JPER MINI SOLDER ATER SLEEVE		JLDER VE	AD-1319 DR AD1567	AT-1319-	78	AD-1	565	MB1969/8-07 DR MB1969/14-03		M81969/8-08 DR M81969/14-03	AD-1575-1
₽\ see	E TER	RMINATI	IN PRO	CEDURE: RAYCH	EM ES-612	24						
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<b>tyco</b> Electronics	Tyco Electronics Corporation - 300 Constitutional Drive Menio Park, CA 94025 USA	Raychem	FSCM 06090	REVISION: E	ecn#: T-	APPROVED	DATE:
	SPEC	IFICATION COM	VTROL	DRAWI	NG		
<u>ASSEMBL</u>	<u>y instruction</u> s						
2. INSE 3. HEAT RELIEF T		TACT UNTIL IT IS FULL ROPRIATE TOOLS AS SHO I CABLE.		LE II UNI	TIL SOLDE	ER MELTS	AND STRAIN
TWISTED	PAIR CABLE ACC	OMMODATION					
	ERTACTS CONTACTS ( OWING CONSTRUCTIO	CAN BE TERMINATED TO <sup>.</sup> IN.	TWISTED-P	AIR CABLE	DF THE		
	PLATING CONSTRUCTION	AWG 26 THROUGH AWG TIN OR SILVER SOLID OR STRANI TERØ.045 INCH. M	)ED				
	HI POTENTIAL (SIGNAL) WIRE	APPROX. 1 UNTWISTED STRAIGHTE LENGTH .040 MIN L E170±.015 —	AND INED	• •.350±.015 .080 M	AX 300±.015 IP LENGT R GROUND WIRE	Н	
		FIGURE 2					
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Electronics	<ul> <li>300 Constitutional Drive Menlo Park, CA 94025 USA</li> </ul>	Rayche	060	90	F	T-		
	ENGAGEMENT DEPTH SHA SHALL BE IN ACCORDAN SPECIFIED IN THE FOL MICROINCHES. PROVISIO	CE WITH MS3197 LOWING, AND SU INS FOR CLEARA	NTERED IN NOF EXCEPT THE I RFACE ROUGHNE NCE HOLE SHAL ABLE III EPARATION JUNCES)	RMAL DIAME SS SH L BE	SERVICE. T TERS SHALL HALL NOT E	HE TEST P _ BE AS EXCEED 3 SAGEMENT JNCES>		
	(INCH)	INITIAL	AFTER CONDITIONING	I	NITIAL	AFTER CONDITIONIN	JG	
	.0635 +.0002 0000	NZA	N/A		30. D	36.0		
	.0615 +.0000 0002	2.0	1.5		N/A	N/A		

DIELECTRIC WITHSTANDING VOLTAGE (APPLIED BETWEEN INNER AND DUTER CONTACT)) TEST VOLTAGE:

AΤ	SEA LEVEL	800 VAC, RMS,
ΑT	50,000 FEET:	250 VAC, RMS,

CONTACT RESISTANCE: SEE TABLE IV

	MAXIMUM VOLTAGE DROP (MILLIVOLTS)								
TEST CABLE	25⁺ +3° −0° C		25* <sup>+3*</sup> -0* C <u>3</u> /		125° +3° -0° C		TEST CURRENT (AMPS)		
	CON	ТАСТ	CON.	ТАСТ	CON.	ТАСТ	CON.	ТАСТ	
	INNER	OUTER	INNER	DUTER	INNER	OUTER	INNER	DUTER	
26 AWG T.P./TC 28 AWG T.P./TC	52 54	52 54	63 65	63 65	78 B1	78 81	2.0 1.5	2.0 1.5	
30 AWG T.P./TC	60	60	73	73	90 70	90	1.0	1, D	
26 AWG T.P./SHSC 28 AWG T.P./SHSC	52 54	52 54	63 65	63 65	78 81	78 81	2.0 1.5	2.0 1.5	
30 AWG T.P./SHSC	60	60	73	73	90	90	1.0	1.0	

TABLE IV. CONTACT RESISTANCE

3/ AFTER CONDITIONING.

TC = TIN PLATED COPPER TP = TWISTED PAIR SHSC = SILVER PLATED HIGH STRENGTH

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tyco	Tyco Electronics Co		<b>D</b>	FS		[SIDN:	ECN#:	APPROVED:	DATE	
ectronics	<ul> <li>300 Constitutional D Menio Park, CA 940</li> </ul>		Rayche	e <b>m</b> 060	90	-	T-			
	LOW SIGNA	AL LEVEL	FICATION CONTACT RESIS (INNER AND OU	TANCE (INNER	CONTACT	INLY):	SEE TABL			
		tabl RH	E V. LOW SIGNA	L LEVEL CONT NLY> AND TEN:	ACT RESIS Sile Stre	TANCE NGTH	-			
	TEST C	ABLE	MAXIMUM ( RESISTANCE (	CONTACT TENSILE STRENGTH						
			INITIAL	AFTER CONDITIONING	INNER CON	TACT	DUTER CONTACT			
	26 AWG T 28 AWG T 30 AWG T 26 AWG T. 28 AWG T. 30 AWG T.	T. P. /TC T. P. /TC P. /SHSC P. /SHSC	31 50 75 31 50 75	38 60 88 38 60 88	5.0 3.0 1.5 5.0 4.0 2.0		5.0 3.0 1.5 5.0 4.0 2.0			
	TP =	TWISTED	ED COPPER PAIR WIRE LATED HIGH STR	ENGTH COPPER						
	MATERIAL:	CONTACT	BODY	BERYLLIUM PER ASTM B		LLOY	173, COND	ITION H		
		INNER CO	INTACT	BERYLLIUM PER ASTM B		LLOY	173, COND	ITION H		
		PLATING (CONTACT INNER CO	BODY AND	50 MICROINO OVER NICKEL PER 50 MIRCOINO OVER	NICKEL PER QQ-N-290A 50 MIRCDINCHES MINIMUM					
		SOLDER FLUX		Sn63 PER Q TYPE RMA PI		71				
				TYPE RMA PER QQ-S-571 HEAT-SHRINKABLE, RADIATION-CROSSLINKED POLYVINYLIDENE FLUORIDE						

DIELECTRIC ETFE FLUERDPELYMER PER ASTM D3159

SHIPPING FIGURE 1 INDICATES THE ONE-PIECE ASSEMBLY, TERMINATION INSTRUCTIONS ARE TO BE SHIPPED WITH THE UNIT PACKAGE.

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>>TE Connectivity(泰科)