

			EN3POS26	26	26, 28, and 30 AWG	
			EN2POS20	20 and 22	20 and 22 AWG	
	ENSCRAUIO	FNEOMATIC CRIME TOOL	EN3POS26	26	26, 28, and 30 AWG	
Α	EN2CRL	HAND CRIMP TOOL LARGE FRAME	ENODOSOO	20 and 22	20, 22, 24, and 26 AVMC	
	EN2CRAUTOL	PNEUMATIC CRIMP TOOL LARGE FRAME		20 810 22	20, 22, 24, and 20 Awg	
	INSTOOL20			20	20, 22, 24, and 26 AWG	
	INSTOOL26	CONTACT INSERTION		26	26, 28, and 30 AWG	
	REMTOOL20			20 20, 22, 24,		
	REMTOOL26	CONTACT EXTRUCTION		26	26, 28, and 30 AWG	
8		8	7		6	



	SPECIFICATIONS:
MECHANICAL	
Mating / Locking Type:	Threaded Coupling
Life	5,000 cycles minimum
Operating Forces	10 lb. [44.5 N] maximum Insertion or Withdrawal
Vibration	Mil-Std 202G Method 201A
Panel-Mount Hex Nut Tongue	40 in-lb [4.5 Nm] maximum
Cable Securing System:	Threaded on metal Clamp
ELECTRICAL	
Voltage Rating	125 V AC/DC for 2-5 contact arrangements
	30 V AC/DC for 6-9 contact arrangements
Current Rating	Refer to Current Carry Capacity Table
Insulation Resistance	1000 MΩ minimum
Contact Resistance	10 mΩ typical
EMI Shielding	360°
ENVIRONMENTAL	
Temperature Limits	-40°C to +135°C (-40°F to +275°F)
Operating Temperature Range	Refer to Current Carry Capacity Table
Moisture Resistance	Mil-Std 202G Method 106G
Insulation Resistance	Mil-Std 202G Method 302
Thermal Shock	Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion)	Mil-Std 202G Method 101E
Ingress Protection Ratings	IP66, IP67, IP68 (6 ft. for 24 hours) per IEC60529, NEMA 250 6P
MATERIAL	
Outer Shell Metal components	Copper Alloy, electroless nickel plated
Hex Nut & Inner Metal components	Copper Alloy, nickel plated
Electrical Insulator	Medical Technology LCP, natural
Seal O-rings	Thermoplastic Elastomer
Contacts Assembly	Copper Alloy, gold plated with Stainless Steel locking clip

Contacts	Wire (awg)	Curre	Minimum Test Voltage	Voltage (V rms) tested per					
		45°C max.	65°C max.	85°C max.	100°C max. 110°C max.		(v rms)	UL2238	
	20	10	9	8	7*	6			
2 #20	22	8.5	7.5	7.5	5.5*	4.5			
2 #20	24	7	6	5	4.5*	3.5			
	26	4	4	3.5	3.5*	2.5			
	20	9.5	8.5	7.5	6.5*	5			
2 #20	22	8	7	6	5*	4			
3 #20	24	6	5.5	4.5	4*	3			
	26	3.5	3.5	3	3*	2.5	1200	105	
	20	9	8	7	6*	5	1300	125	
4 #20	22	7.5	6.5	5.5	4.5*	3.5			
4 #20	24	5	4.5	4	3.5*	2.5			
	26	3	3	2.5	2.5*	2			
	20	8	7.5	6.5	5.5*	4.5			
5 #20	22	6.5	5.5	5	4*	3			
	24	4.5	4	3.5	3*	2.5			
	26	2.5	2.5	2	2*	1.5			
	26	2.5	2.5	2	2*	1.5			
6-7 #26	28	2	2	1.5	1.5*	1			
	30	1.5	1.5	1	1*	.5	1000	20	
	26	2	2	1.5	1.5*	1	1000	30	
8-9 #26	28	1.5	1.5	1	1*	.5			
	30	1	1	.5	.5*	.5			
Temperature Rise does not exceed 30°C when tested according to UL2238. All other recommended current									

BER DATE BY		BY	DO NOT SCALE DRAWING		TS2 S	TS2 SERIES CONNECTOR				TS2P SERIES					
	04/21/10		JAC				04/21/16	04/21/16		SHEET	1	OF	2	DEV	
	04/21/16		SDC		04/21/16	PNK	PNK	SRC					_		
5 lb	09/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD	DU		FLL	GL			
				- THREE PLACE DECIMALS ±0.005 [0.13]	3:1								RB®		
				- TWO PLACE DECIMALS ±0.02 [0.5]	FIRST U	ISED ON	N	SCALE	SPEC NO.						
				I. ALL DIMENSIONS IN INCHES [mm]											
				UNLESS OTHERWISE SPECIFIED	SIZE	N	/IDTH	MULT		LBS/M		TEM	PER		
					BY SWITC	THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROP BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFID					OPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED FIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.				



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	3	2		1	
	STRIP THE CABLE OR SIN	GLE CONDUCTORS /	AS SHOWN	Ν.	F
	CRIMP CONDUCTORS TO WITH CRIMP POSITIONER [®] IF SOLDERING, IT IS RECO BEFORE INSTALLATION.	CONTACTS USING H * SET PER CONTACT OMMENDED TO SOLE	IAND OR P SIZE AND DER COND	NEUMATIC CRIMP TOOL* WIRE GAGE. UCTORS TO CONTACTS	E
₹ Ε,	INSTALL PANEL SEAL O-R NOTE: CONVENIENTLY, CO AFTER SHELL INSTALLATI GUIDE EACH WIRED CONT SNAPS IN PLACE. USE INS COLORED CONDUCTORS AS DESIRED. TO REMOVE A CONTACT, INSERT AND LIGHTLY PRE THE CONTACT OUT.	ING ONTO SHELL AS ONTACTS CAN BE IN ON ON THE PANEL. FACT INTO INSERT H SERTION TOOL* IF NE CAN BE ASSIGNED T INSERT THE EXTRAC SS THE SPRING LOA	S SHOWN. STALLED I IOLE AND ECESSARY TO CONTA	EITHER BEFORE OR PUSH UNTIL CONTACT '. CT POSITION NUMBERS OL* FROM THE FRONT OF NGER INWARD TO PUSH	D
	ALIGN AND INSTALL FINIS TIGHTEN HEX NUT TO A M A 9/16" WRENCH CAN BE U	HED CONNECTOR IN AXIMUM OF 40 IN-LE JSED.	NTO PANEL 3 [4.5 Nm] 1	- CUT-OUT. FORQUE.	B
UNT CTIONS			SCALE 2:1 DATE DRAWN 04/20/16 DRAWN BY PNK	SWIFCHOFOFF SHEET 2 OF 2 PART NO. TS2P SERIES_CD	A
	3	SolidWorks	S CAD File	C	

Mouser Electronics

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Switchcraft:

TS2P7F26TS2P5M20TS2P2F20TS2P3M20TS2P5F20TS2P4F20-BTS2P9F26-BTS2P7F26-BTS2P2F20-BTS2P8F26TS2P9M26TS2P3F20TS2P5F20-BTS2P4M20TS2P3F20-BTS2P9F26TS2P4M20-BTS2P2M20TS2P9M26-BTS2P4F20TS2P8F26-BTS2P7M26TS2PCAPTS2P3F20-BTS2P4M20-BTS2P3F20-B