

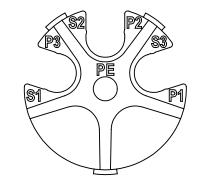
MECHANICAL Mating / Locking Type: Spring Loaded Automatic Latching Mechanism 400 cycles minimum 10 lb. [44.5 N] maximum Insertion or Withdrawal Operating Forces Vibration Mil-Std 202G Method 201A Panel-Mount Hex Nut Torque 12 in-lb [1.36 Nm] maximum Treaded-on Clamp Cable Securing System: ELECTRICAL
Voltage Rating 600 V AC/DC Current Rating Refer to Current Carry Capacity Table 1000 MΩ minimum Insulation Resistance Contact Resistance 10 mΩ typical **ENVIRONMENTAL** -40°C to +135°C (-40°F to +275°F) Temperature Limits Refer to Current Carry Capacity Table Operating Temperature Range Mil-Std 202G Method 106G Moisture Resistance Insulation Resistance Mil-Std 202G Method 302 Condition B Mil-Std 202G Method 107G Thermal Shock Salt Atmosphere (Corrosion)
Ingress Protection Ratings Mil-Std 202G Method 101E Condition A IP66, IP67, IP68 (6 ft. for 24 hours) per IEC60529, IP69K per DIN 40050-9, NEMA 250 6P MATERIAL Outer Shell (Insulator), Hardware Thermoplastic (PA) Thermoplastic Elastomer (TPV) Seal Grommets Thermoplastic Elastomer (VMQ) Seal O-rings Electrical Contacts Copper Alloy, Gold Plated Spring, Terminal Screw Stainles Steel

Contacts	Wire (awg)	Curre	ent Rating (A)	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	
3 #10	10	30	30	30	25*	20			
	12	25	25	25	20*	15			
	14	20	20	20	15*	15* 10			
4 #10	10	30	30	30	25* 20				
	12	25	25	25	20*	15	2200	600	
	14	20	20	20	15*	10			
5 #10	10	30	30	30	25*	20			
	12	25	25	25	20*	15			
	14	20	20	20	15*	10			

current ratings are based on the Relative Thermal Index of the insulating material.

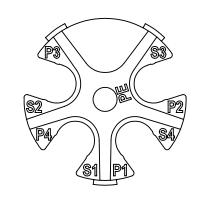
WARNING NOTE: DO NOT DISCONNECT THESE CONNECTORS UNDER LOAD

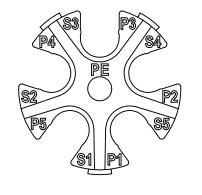
ALL DIMENSIONS FOR REFERENCE ONLY. CONNECTORS PROVIDED UNASSEMBLED, SHOWN ASSEMBLED HERE.



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3-POLE 4-POLE

5-POLE

INSERTS (CONTACT CARRIERS) REAR VIEW SHOWN HERE FOR CLARITY

S1-S5: SOCKET CONTACT POSITIONS, COUNTED CLOCKWISE P1-P5: PIN CONTACT POSITIONS, COUNTED COUNTERCLOCKWISE PE: PROTECTIVE EARTH

PRELIMINARY

CUSTOMER DRAWING

						THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED ANI BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PU								
					UNLESS OTHERWISE SPECIFIED	SIZE	W	IDTH	OTH MULT		.BS/M	Т	EMPER	
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH				MATERIAL				
					- TWO PLACE DECIMALS ±0.02 [0.5]	SPEC No. FIRST USED ON SCALE 1.25:1			SPEC No.					
0C	P & S changed to M & F	5/7/24	PNK	SRC	- THREE PLACE DECIMALS ±0.005 [0.13]									
0B	"DO NOT DISCONNECT UNDER LOAD" ADDED	5/2/24	PNK	SRC		DATE DRAWN	BY	CHKD	APVD					
0A	PRELIMINARY	4/4/23	PNK	SRC		4/4/23	PNK	PNK 4/4/23	SRC 4/4/23	8	SHEET	1 o	F 2	
REV	ECO NUMBER	DATE	BY	APVD		NAME	CAE	BLE-END		PART No.				REV
REVISIONS				DO NOT SCALE DRAWING	EP7C SERIES CONNECTORS			EP7C SERIES 0			0C			

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SolidWorks CAD File C

