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REMTOOL26

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HS2 P 7 F 26 - K Options: **K** - Kit Packaging (one unit/bag) **[blank]** - Bulk Packaging

Consult factory for other options Contact Size: **20** - 20, 22, 24, 26 AWG wires **26** - 26,28, 30 AWG wires **F** - Female (Socket)

Refer to HS2C SERIES drawing for mating Cable-End connectors. Refer to HS2L SERIES drawing for Cable-to-Cable connectors.

	SPECIFICATIONS:					
MECHANICAL						
Mating / Locking Type:	Push-Pull automatic locking/unlocking					
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					
Ground Spring Washer	Stainless Steel					
Electrical Insulator	Medical Technology LCP, natural					
Seal O-rings	Silicone, red					

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		105	
2 #20	24	7	6	5	4.5*	3.5			
	26	4	4	3.5	3.5*	2.5			
3 #20	20	9.5	8.5	7.5	6.5*	5			
	22	8	7	6	5*	4			
	24	6	5.5	4.5	4*	3			
	26	3.5	3.5	3	3*	2.5	1400		
4 #20	20	9	8	8 7		5	1400	125	
	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 E	22	6.5	5.5	5	4*	3			
5 #20	24	4.5	4	3.5	3*	2.5			
	26	2.5	2.5	2	2*	1.5			
6-7 #26	26	2.5	2.5	2	2*	1.5			
	28	2	2 2 1.5 1.5* 1		1				
	30	1.5	1.5	1	1*	.5	1000	20	
8-9 #26	26	2			1.5 1.5*		1000	30	
	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 ratings are based on the Relative Thermal Index of the insulating material.

## **CUSTOMER DRAWING**

						THIS DRAWING DESCRIBES A DESIGN CONSIDERED PRO BY SWITCHCRAFT INC. AND IS RELEASED ON A CONF				RIETARY IN NATURE, DEVELOPED AND MANUFACTURED SENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.				
					UNLESS OTHERWISE SPECIFIED	SIZE WIDTH MULT			LBS/M		TEMPER			
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH SPEC No.				MATERIAL				
					- TWO PLACE DECIMALS ±0.02 [0.5]					SPEC No.				
					- TWO I LACE DECIMALS 10.02 [0.5]	FIRST USED ON SCALE			SCALE					
					- THREE PLACE DECIMALS ±0.005 [0.13]				3:1			$\Box$		.Œ□ <sup>€</sup>
0B	INSTALLATION TOOLS CHANGE, INSTRUCTIONS UPDATE	04/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD		7ĪJG		JLTJ.	
						04/06/46	DNIIZ	PNK	SRC					
0A	PRELIMINARY	01/06/16	PNK	SRC		01/06/16	PNK	01/06/16	01/06/16		SHEET	1	of 2	
REV	ECO NUMBER	DATE	BY	APVD		NAME FR	ONT	PANEL-MO	LINT	PART No.				REV
REVISIONS		DO NOT SCALE DRAWING	HS2 SERIES CONNECTOR, RoHS			S2P SE	SERIES 0B							
	1				0 11 114/ 1 04 0 511									

SolidWorks CAD File C

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26, 28, and 30 AWG

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