

26, 28, and 30 AWG

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HS2 C KIT PACKAGING OPTION: **K** - ONE UNIT / BAG HS2 SERIES C - CABLE-END CONNECTOR CLAMP SET PER CABLE O.D. RANGE: **A** - 0.110 - 0.140 [2.8 - 3.6] **B** - 0.140 - 0.180 [3.6 - 4.6] **C** - 0.180 - 0.216 [4.6 - 5.5] # OF CONTACTS:
2-5 FOR #20 CONTACTS
6-9 FOR #26 CONTACTS GENDER:

M - MALE (PIN)

F - FEMALE (SOCKET) CONTACT SIZE: **20** - 20, 22, 24, 26 AWG WIRES **26** - 26,28, 30 AWG WIRES

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REFER TO "HS2P SERIES" DRAWING FOR MATING PANEL-MOUNT CONNECTORS. REFER TO "HS2L SERIES" DRAWING FOR MATING 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 Torque	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	Copper Alloy, gold plated with Stainless Steel locking clip					

Contacts	Wire (awg)	Curre	Minimum Test Voltage	Voltage (V rms) tested per				
İ		45°C max.	65°C max.	85°C max.	100°C max.	110°C max.	(V rms)	UL2238
2 #20	20	10	9	8	7*	6		
	22	8.5	7.5	7.5	5.5*	4.5	ı	
	24	7	6	5	4.5*	3.5		
	26	4	4	3.5	3.5*			
	20	9.5	8.5	7.5	6.5*	5		125
2 420	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	1400	
	20	9	8	7	6*	5	1400	
4 420	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		
5 #20	20	8	7.5	6.5	5.5*	4.5	·	
	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		
6-7 #26	26	2.5	2.5	2	2*	1.5		
	28	2	2	1.5	1.5*	1		
	30	1.5	1.5	1	1*	.5	1000	30
8-9 #26	26	2	2	1.5	1.5*	1	1000	30
	28	1.5	1.5	1	1*	.5		
	30	1	1	.5	.5*	.5		

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

CUSTOMER DRAWING

						THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.								
					UNLESS OTHERWISE SPECIFIED	SIZE	W	/IDTH	MULT	L	.BS/M		TEMPER	
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH SPEC No.				MATERIAL				
					- TWO PLACE DECIMALS ±0.02 [0.5]					SPEC No.				
					- TWO TEACE DECIMALS 10.02 [0.5]	FIRST USED ON SCALE 3:1								
					- THREE PLACE DECIMALS ±0.005 [0.13]				- Smrifeherafi					
0B	INTALLATION TOOLS CHANGE, INSTRUCTIONS UPDATE	04/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD					
	INSTRUCTIONS UPDATE	04/22/10		Orto		04/00/40		PNK	SRC					
0A	PRELIMINARY	01/06/16	PNK	SRC		01/06/16	PNK	01/06/16	01/06/16		SHEET	1 (OF 2	
EV	ECO NUMBER	DATE	BY	APVD		NAME	_	BLE-END		PART No.			_	REV
REVISIONS		DO NOT SCALE DRAWING	HS2 SERIES CONNECTOR		HS2C SERIES (0E						

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SolidWorks CAD File C

