

CONTACT EXTRUCTION

---7

REMTOOL20

REMTOOL26

8

6

20, 22, 24, and 26 AWG

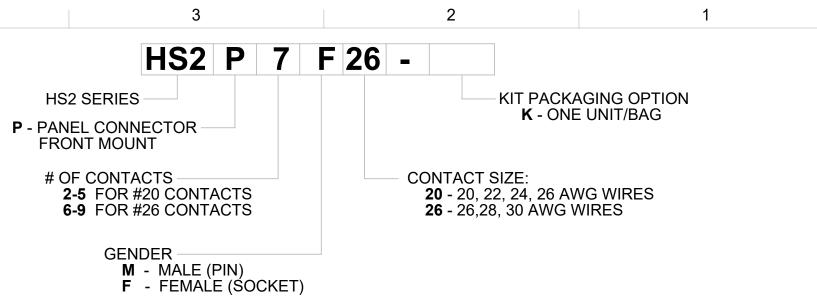
26, 28, and 30 AWG

20

26

5

REV



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	Copper Alloy, gold plated with Stainless Steel locking clip

Contacts	Wire (awg)	Current Rating (A) at Operating Temperature (°C)					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			
3 #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	1400	125	
	20	9	8	7	6*	5	1400	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			
5 #20	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	30	
L	26	2	2	1.5	1.5*	1	1000		
8-9 #26 [28	1.5	1.5	1	1*	.5			
	30	1	1	.5	.5*	.5			
	ture Rise	does not exce the Relative		en tested acc	ording to UL2	238. All other	r recommend	led current	

CUSTOMER DRAWING

							RIBES A DESIGN C NC. AND IS RELEA							
				UNLESS OTHERWISE SPECIFIED	SIZE	W	IDTH	MULT		LBS/M	TI	EMPER		
				1. ALL DIMENSIONS IN INCHES [mm]	FINISH SPEC No. FIRST USED ON SCALE 3:1		MATERIAL							
				- TWO PLACE DECIMALS ±0.02 [0.5]					SPEC No.				A	
				- 1WO T LACE DECIMAES 10.02 [0.5]			J	SCALE	Swiftehere					
				- THREE PLACE DECIMALS ±0.005 [0.13]				3:1			710			
INSTALLATION TOOLS CHANGE, INSTRUCTIONS UPDATE	04/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD	DU		JNG	ſĊ		
			-		01/06/16		PNK	SRC						
PRELIMINARY	01/06/16	PNK	SRC		01/06/16	PNK	01/06/16	01/06/16		SHEET	1 OF	2		
ECO NUMBER	DATE	BY	APVD		NAME PANEL CONNECTOR, FRONT			FRONT				REV	1	
REVISIONS				DO NOT SCALE DRAWING	MOUNT, SOLDER CUP/CRIMP, Rohs HS2			S2P S	SERIES 0B					
4				SolidWorks CAD File	С									

С

F

Е

D

 $\left| \right|$

В

Γ	8	7 6 5 4	
F	STEP 1	0.50 MIN [12.8 MIN] JACKET JACKET CONTUCTOR	STRIP TH
E	STEP 2	ONE CONTACT SHOWN HERE FOR CLARITY	CRIMP CO WITH CRI IF SOLDE BEFORE I
D	STEP 3	SHELL M14 x 1.0 H14 x 1.0 H13 WHEN CONTACT LOCKED INTO ISERT [3.2]	INSTALL F NOTE: CO AF GUIDE EA SNAPS IN COLOREE AS DESIR TO REMO INSERT A THE CON
В	STEP 4	FINISHED ASSEMBLY	ALIGN AN TIGHTEN A 17 mm V
	*REFER TO TOOI	LS TABLE ON THIS DRAWING FOR SELECTION OF TOOLS PER CONTACT AND WIRE SIZE.	
A		HS2 SERIES PANEL-MOUNT FIELD ASSEMBLY INSTRUCTIONS	

	3	2		1	
	STRIP THE CABLE OR SIN	CLE CONDUCTORS	AS SHOWI	N.	F
	CRIMP CONDUCTORS TO WITH CRIMP POSITIONER [®] IF SOLDERING, IT IS RECO BEFORE INSTALLATION.	* SET PER CONTACT	SIZE AND) WIRE GAGE.	E
	INSTALL PANEL SEAL O-R <u>NOTE:</u> CONVENIENTLY, C AFTER SHELL INST GUIDE EACH WIRED CONT SNAPS IN PLACE. USE INS COLORED CONDUCTORS AS DESIRED. TO REMOVE A CONTACT, INSERT AND LIGHTLY PRE THE CONTACT OUT.	ONTACTS CAN BE II ALLATION ON THE I FACT INTO INSERT H ERTION TOOL* IF N CAN BE ASSIGNED	NSTALLED PANEL. IOLE AND ECESSAR TO CONTA CTION TO	PUSH UNTIL CONTAC Y. CT POSITION NUMBE OL* FROM THE FRONT	T RS T OF ←
	ALIGN AND INSTALL FINIS TIGHTEN HEX NUT TO A M A 17 mm WRENCH CAN BE	AXIMUM OF 40 IN-LE			B
)			SCALE 2:1 DATE DRAWN 01/06/16 DRAWN BY PNK	SWIGHER SHEET 2 OF 2 PART NO. HS2P_SERIES_CD	A REV OB

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Switchcraft:

HS2L7M26C HS2L6M26B HS2L2M20C HS2L8M26B HS2L3F20A HS2L5M20C HS2L9F26A HS2L3M20B HS2P6F26 HS2L9M26B HS2L5M20A HS2L6M26A HS2L8M26A HS2L5M20B HS2L7M26B HS2L6M26C HS2L2M20B HS2P6M26 HS2L4F20B HS2L4M20A HS2L3M20C HS2L9M26C HS2L4M20C HS2L9F26B HS2L8M26C HS2L8F26B HS2L2F20A HS2L2F20B HS2P8F26 HS2L7M26A HS2L6F26A HS2L5F20A HS2L7F26A HS2L3F20B HS2L5F20B HS2L9M26A HS2L6F26B HS2L2M20A HS2L6F26C HS2L8F26A HS2L8F26C HS2L3M20A HS2L7F26B HS2L4F20A HS2L9M26C HS2L4M20B