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ITEM NO.	DESCRIPTION	MATERIAL	REMARKS
1	SPE M12 MALE PIN DIA 1mm	COPPER ALLOY	GOLD PLATED
2	SPE M12 MALE PIN DIA 0.5mm	COPPER ALLOY	GOLD PLATED
3	SPE M12 CENTER FEMALE PIN,DIA 0.5mm	COPPER ALLOY	GOLD PLATED
4	SPE M12 TYPE II MALE HOUSING	PA	BLACK
5	SPE M12 MALE DATA INSERT	PA	BLACK
6	SPE M12 MALE DATA SHIELDING	BRONZE	NICKEL PLATED
7	M12 L CODE CORDSET FEMALE SCREW NUT	BRASS	NICKEL PLATED
8	SPE M12 OVERMOLDING	TPU	BLACK
9	SPE M12 HYBRID SHIELDED CABLE	PUR	BLACK
10	LABEL	-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	16NOV2022	HH	CW
	B	ECR-25-262181	18NOV2025	HH	CW

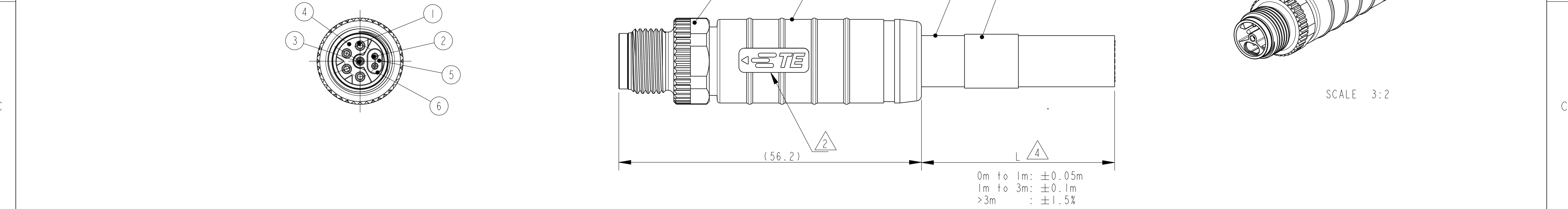


TABLE I			
TECHNICAL DATA	2423446-X		
RATED VOLTAGE	≤63VDC/50VAC		
RATED CURRENT	8A(POWER CONTACT) 1A(SIGNAL CONTACT)		
OVERVOLTAGE CATEGORY	III		
MATERIAL GROUP	I		
DEGREE OF PROTECTION	IP67		
TEMPERATURE RATING	-40°C TO +85°C		

1. TECHNICAL DATA: SEE TABLE I

2 TE LOGO AREA.

3. RECOMMENDED TORQUE: 0.6Nm

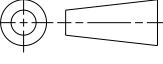
4 REFER TABLE FOR LENGTH "L".

5. 100% OPEN AND SHORT CIRCUIT TEST

6. CABLE ASSEMBLY TO BE PACKED IN POLYBAGS

7. PRODUCT COMPLIES WITH IEC 63171-7

8 LABEL CONTAINS PN AND DATE CODE

HYBRID POWER AND SPE DATA CABLE WIRE:26AWG(1 TWISTED PAIR)+ 16AWG(4 CONDUCTOR POWER) OD: APPROX. 9.5mm	15M	BLACK	PUR	SPE M12 HYBRID TYPE II CABLE ASSEMBLY, SINGLE END, MALE, SHIELDED	SPE-M12-MS-7CON-PUR-**SH	7	2423446-9
	10M						2423446-8
	7M						2423446-7
	5M						2423446-6
	3M						2423446-5
	2M						2423446-4
	1.5M						2423446-3
	1M						2423446-2
	0.5M						2423446-1
CABLE CHARACTERSTICS	LENGTH "L" 4	JACKET COLOR	JACKET MATERIAL	DESCRIPTION	TYPE	POS.	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN HE HART 20DEC2021	 TE Connectivity		
DIMENSIONS: mm				CHK WANG CHRIS 20DEC2021			
				APVD WANG CHRIS 20DEC2021	NAME SPE M12 HYBRID TYPE II CABLE ASSEMBLY, SINGLE END, MALE, SHIELDED		
				PRODUCT SPEC 108-94895			
				APPLICATION SPEC 114-137144			
				WEIGHT -			
				CUSTOMER DRAWING	SCALE 2:1	SHEET 1 OF 1	REV B

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MALE CONNECTOR

1

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WHITE
BLUE
SPE SHIELDING
RED
RED WITH WHITE STRIPE
BLACK
BLACK WITH WHITE STRIPE
SHIELDING

CIRCUIT DIAGRAM