



NOTES:

1. CONSTRUCTED TO MEET THE CONNECTOR STANDARDS ANSI/TIA-568-C.2 CAT5E ISO 11801, IEC 61076-2-101 AND IEC 60532-4.
2. THE TRANSMISSION PERFORMANCE IS 10/100MBIT ETHERNET AND IS ADEQUATE FOR PoE ACCORDING TO IEEE 802.3af AND PoE ACCORDING TO IEEE 802.3at
3. MEETS THE FOLLOWING CATEGORIES:
 - A. CATEGORY 5E/CLASS EA PER ISO/IEC 11801 DIN EN 50173-1
4. ELECTRICAL:
 - A. WORKING VOLTAGE: 50V
 - B. WORKING CURRENT: 4A
 - C. NUMBERS OF CONTACTS: 4
 - D. CONTACT GENDER: PIN
5. MECHANICAL:
 - A. TERMINATION CYCLES WITH SAME CROSS SECTION WIRE: 10
 - B. RECOMMENDED TIGHTENING TORQUE: 0.443 FL/LBS [0.6N/M]
 - C. HEXAGONAL WRENCH: SW 13MM
6. CABLE CONSTRUCTION ACCEPTANCE:
 - A. CONDUCTOR DIAMETER:
 1. SOLID: 22/1 AWG-26/1 AWG
 2. STRANDED: 26/7 AWG-22/7 AWG, 0.017"-0.026" [0.42MM-0.66MM]
 - B. INSULATION DIAMETER (DIAMETER OF DIELECTRIC (DOD)): 0.043"-0.079" [1.10MM-2.00MM]
 - C. CABLE DIAMETER (DIAMETER OF JACKET (DOJ)): 0.177"-0.346" [4.5MM-8.8MM]
7. CONSTRUCTION:
 - A. ALL MATERIALS AND COMPONENTS USED MUST MEET THE MATERIAL RESTRICTIONS OF RoHS, (EUROPEAN DIRECTIVE 2011/65/EU ON THE RESTRICTION OF HAZARDOUS SUBSTANCES) AS PROPOSED BY THE RoHS TECHNICAL ADAPTATION COMMITTEE.
 - B. COMPONENT MATERIALS:
 1. LOCK NUT: (ZN) DIECAST/(NI) PLATED
 2. SEAL: PA 6.6 AND TPU
 3. SPLICE ELEMENT: (ZN) DIECAST, (NI), PLASTIC PART IS PA 6.6
 4. CONNECTOR HOUSING: (ZN) DIECAST, (NI) PLATED AND PLASTIC PART IS PA 6.6
 5. CONTACTS: BRASS/(AU) PLATED
8. ENVIRONMENTAL:
 - A. OPERATING TEMPERATURE: -13° F--+185° F [-25° C--+85° C]
 - B. STORAGE TEMPERATURE: -13° F--+185° F [-25° C--+85° C]
 - C. INGRESS PROTECTION RATING (IP): IP65/IP67
9. WEIGHT: 1.02 LBS/10 PCS [462.66g/10 PCS]

PART NUMBER	I SPS5E44MF A	PRODUCT SPEC/PKG SPEC	N/A
I.I. NUMBER	N/A	WORK INSTRUCTION	N/A

TITLE		FIELD TERMINABLE M12 D-CODE 4 POSITION PLUG CONNECTOR	
		CUSTOMER DRAWING	
ITEM REVISION NAME		13M438AM/00	
DATASET FILE NAME		13M438AM_DC02/00B	
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]		MATERIAL:	
.x ± .1 [2.54] .xxx ± .005 [0.127]			
.xx ± .01 [0.25] ANGLES ± 5°			
THIRD ANGLE PROJECTION		DRAWING NUMBER:	
		13M438AM-02	

1	3-24-14	BJN	DCS	GAZ	UPDATED	13M438AM-02
R	1-27-14	BJN	DCS	GAZ	RELEASED TO PRODUCTION	13M438AM-02

REV	DATE	BY	CHK	APR	DESCRIPTION	ECN	DRAWN BY	DATE	CHK	SCALE	SHT 1 OF 1	SIZE
							BJN	1-27-14	DCS	FULL		A

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