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PROJECT	PRJ-14-000004825
PART NO.	X-2312501-X
DESCRIPTION	M12 A-CODED F-5 CABLE GLAND CONNECTOR FEMALE
CUSTOMER	GENERAL MARKET

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REVISED PER ECR-20-010425	04AUG2020	GK	SE

7	(1)	COLOR RING (OPTIONAL)	THERMOPLASTIC
6	1	CABLE GLAND	Cu-ALLOY
5	1	DISC	Cu-ALLOY
4	1	DISC HEAD	Cu-ALLOY
3	1	CONTACT HOLDER	PA (THERMOPLAST)
2	-	ORDERED SEPARATELY	Cu-ALLOY GOLD-PLATED
1	1	FRONT HOUSING	Cu-ALLOY NICKEL-PLATED
SL. NO.	QTY	DESCRIPTION	MATERIAL

M12 A-CODED F-5 CABLE GLAND FEMALE CONNECTOR

SL. NO.	TE PART NO.	DESCRIPTION	No. of CONTACTS	OUTSIDE CABLE DIA
1	1-2312501-1	M12 A-CODED F-5 CABLE GLAND CONNECTOR FEMALE 4-6.5 mm	5	4-6.5 mm
2	1-2312501-2	M12 A-CODED F-5 CABLE GLAND CONNECTOR FEMALE 5.5-9 mm	5	5.5-9 mm

SHIELD DISC CHART		
PART NAME	CENTER HOLE SHIELD DISC	CABLE DIAMETER W/O OUTER SHEATH
SHIELD DISC 1	4 mm	3.9 mm MAX.
SHIELD DISC 2	5 mm	4.9 mm MAX.
SHIELD DISC 3	6 mm	5.9 mm MAX.
SHIELD DISC 4	7 mm	6.9 mm MAX.

CONTACTS TABLE					
M12 CODING	PIN/SOCKET	PICTURE	WIRE SIZE	TE P/N	DESCRIPTION
A5 CODING	REC		AWG20/22	1-2314103-1	M12 CRIMP CONTACT SOCKET 1mm Au 0.8μ
			AWG22/24	1-2314103-2	M12 CRIMP CONTACT SOCKET 1mm Au 0.8μ

NOTES:

PLEASE NOTE: CONTACTS NEED TO BE ORDERED SEPARATELY DEPENDING ON THE AWG SIZE.

-ALL DIMENSIONS ARE FOR NOMINAL REFERENCE ONLY.  
 -PACKAGING: 1 PIECE IN A BAG.  
 -THE CONNECTOR IS AS PER IEC 61076-2-101.  
 -TEMPERATURE RANGE: -40°C TO 85°C.  
 -VIBRATION & SHOCK TEST CONDUCTED AS PER IEC 61373:1999.  
 -FIRE PERFORMANCE CONDUCTED AS PER EN45545-2, NFF16-101 AND NFF16-102.  
 -THE THREAD OF THE MATING INTERFACE WITH THE COUNTERPART IS M12x1 ACCORDING TO IEC61076-2-101.  
 -SUPPLIER RECOMMENDED CRIMP INSERT: SHOULD BE VALIDATED ON CABLE USED.  
 -CONTACTS & SHIELD DISCS SHALL BE SUPPLIED BY THE SUPPLIER.  
 -SHIELD DISC 1 - 4 ARE SUPPLIED IN THE BOX.

Technical drawings showing dimensions and component labels for the M12 A-coded F-5 cable gland connector female connector. The drawings include a top view and a side view for two different cable diameters: 4-6.5 mm (shown 1-2312501-1) and 5.5-9 mm (shown 1-2312501-2). Dimensions include overall length (48.5 mm ±0.2 mm and 50.9 mm ±0.1 mm), contact spacing (15.5 mm and 18.9 mm), and thread specification (M12x1). Component labels include SW14, SW13, SW12, and SW17, with a note for SW12: max. 1Nm.

ISO VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GOPALAKRISHNA HV 04AUG2020			
DIMENSIONS: mm		CHK S. EGBERT 04AUG2020			
TOLERANCES UNLESS OTHERWISE SPECIFIED: DIN ISO 2768 m		APVD S. EGBERT 04AUG2020	NAME M12 A-CODED F-5 CABLE GLAND CONNECTOR FEMALE		
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-156001	DRAWING NO -		
MATERIAL -		APPLICATION SPEC 114-156002	SIZE A2	CAGE CODE 00779	RESTRICTED TO -
FINISH -		WEIGHT -	DRAWING NO C=2312501	SHEET 1 of 1	REV B
CUSTOMER DRAWING			SCALE NTS		

1471-9 (1/15)

2312501

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