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PROJECT

PRJ-14-000004825

PART NO

X-2823449-X

HV DESC

M12, A-CODED,RAIL MALE CRIMP

CUSTOMER

GENERAL MARKET

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A5	CRIMP TOOL INFORMATION UPDATED	13JAN2021	GK	SE

M12 A-5 MALE CONNECTOR

56

Ø16

M12 A-8 MALE CONNECTOR

56

Ø16

Pos1

Pos2

Pos3

Pos4

Pos5

Pos6

Cable preparation		Recommended Contact crimping tools		Recommended Jacket Crimping Tools		Crimp Flange insertion		

TE PN	Description	Coding	Number of positions	Gender	Number of contacts included	Connector type	Applicable on cable	Manufacturer PN	Category	Color	Conductor size	Conductor stripping	Jacket cutting	Hand tool	Contact positioner	Crimp Selection number*	Crimp Tool	Tool Setting	Handle	Insert for handle	Connector assembly tool
1-2823449-1	M12 A-M-5, CAT 5 RADOX 6.6MM, H&S	A	5	Male	5	Straight	Radox 6.6mm	H&S 12584038	Cat 5	Black	4 x AWG22	734185-1	2119000-1	601966-1	1-2823581-1	6	2380757-2	ORANGE	1-2823560-1	1-2823561-1	1-2823564-1
1-2823449-2	M12 A-M-5, CAT 5 RADOX 7.3MM, H&S		5		4		Radox 7.3mm	H&S 12568935	Cat 5	Black	4 x AWG22				1-2823581-1	6		GREEN			
1-2823449-3	M12 A-M-5, CAT 5 RADOX 8.3MM, H&S		5		4		Radox 8.3mm	H&S 12585489	Cat 5	Black	4 x AWG20				1-2823581-1	7		BLUE			
1-2823449-4	M12 A-M-8, CAT 5 RADOX 7.3MM, H&S		8		8		Radox 7.3mm	H&S 12568935	Cat 5	Black	4 x AWG22				1-2823582-8	5		GREEN			
1-2823449-5	M12 A-M-8, CAT 5 RADOX 6.6MM, H&S		8		8		Radox 6.6mm	H&S 12584038	Cat 5	Black	4 x AWG22				1-2823582-8	5		ORANGE			
1-2823449-6	M12 A-M-8, CAT 7, 8.4 MM, TE		8		8		TE Cat 7 cable TECC0011C7	TE 2297799-1	Cat 7	Blue	8 x AWG24				1-2823582-8	5		YELLOW			
1-2823449-7	M12 A-M-5, CAT 7, 8.4MM, TE		5		5		TE Cat 7 cable TECC0011C7	TE 2297799-1	Cat 7	Blue	8 x AWG24				1-2823581-1	5		YELLOW			
1-2823449-8	M12 A-M-5, CAT 5E 6.5 MM, TE		5		4		TE Cat 5e cable TECC0026C5	TE 2320808-1	Cat 5e	Blue	4 x AWG22				1-2823581-1	6		ORANGE			

*TOOL SETTING MUST BE VALIDATED ON CABLE USED

ISO VIEW

M12 A-5 MALE CONNECTOR

ISO VIEW

M12 A-8 MALE CONNECTOR

NOTES:

- ALL DIMENSIONS ARE FOR NOMINAL REFERENCE ONLY.
- PACKAGING: 1 PIECE IN A BOX, CONTACTS INCLUDED.
- THE CONNECTOR IS AS PER IEC 61076-2-101
- TEMPERATURE RANGE: WITH CABLE BOOT -40°C TO +70°C.
- WITHOUT CABLE BOOT -40°C TO +85°C.
- VIBRATION & SHOCK TEST CONDUCTED AS PER IEC 61373:CAT 1 CLASS B.
- FIRE PERFORMANCE CONDUCTED AS PER EN45545-2 HL3 R22/R23 NFF16-101 AND NFF16-102.
- SPECIAL CRIMP FLANGE SYSTEM WITH CRIMP INSERT AND CRIMP SLEEVE SECURES THE EFFECTIVE SHIELDING OVER THE LIFETIME WITH EXTREMELY HARD CONDITIONS.
- VIBRATION AND TORSION-PROOF CABLE STRAIN RELIEF FOR ROUGH ENVIRONMENT ACHIEVED BY HEXAGONAL CRIMP OF THE CRIMP SLEEVE OF THE CRIMP FLANGE SYSTEM.
- DEGREE OF PROTECTION: IP 67 (ONLY SCREW-LOCKED).
- DATA TRANSMISSION RATE: UP TO 10Gbit/S
- CURRENT RATING: A8: 2A NOMINAL VOLTAGE: 30V, CONTACT RESISTANCE: ≤ 5 mΩ, INSULATION RESISTANCE: ≥ 100 mΩ.
- CURRENT RATING: A5: 4A, NOMINAL VOLTAGE: 250V AC/ 50V DC , CONTACT RESISTANCE: ≤ 5 mΩ, INSULATION RESISTANCE: ≥ 100 mΩ
- DURABILITY: ≥ 200 MATING CYCLES

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

-

DWN

16APR2019

GOPALAKRISHNA HV

CHK

16APR2019

S EGBERT

APVD

16APR2019

S EGBERT

PRODUCT SPEC

108-156001

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE

TE Connectivity

M12, A-CODED

RAIL MALE, CRIMP CONNECTORS

-

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-2823449

-

SCALE

NTS

SHEET

1 OF 1

REV

A5

4

3

2

1

REV

1470-19 (1/15)