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PROJECT

PRJ-14-000004825

PART NO

X-2823447-X

HV DESC

M12, A-CODED,RAIL MALE 8 CRIMP

CUSTOMER

GENERAL MARKET

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	CRIMP TOOL INFORMATION UPDATED	13JAN2021	GK	SE

M12 A-8 MALE CONNECTOR

56

Ø16

M12 A-8 MALE CONNECTOR BULK HEAD

56

19

EXPLODED VIEW

Pos1

Pos2

Pos3

Pos4

Pos5

Pos6

Cable preparation	Recommended Contact crimping tools	Recommended Jacket Crimping Tool	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	Crimp Die	Handle	Insert for handle	Connector assembly tool
1-2823447-1	M12 A-M-8 CRIMP ST ,CAT7 RADOX 8.2MM,H&S	A	8	Male	8	Straight	Radox 8.2mm	H&S 84124806	Cat 7	Black	8 x AWG24	734185-1	2119000-1	601966-1	1-2823582-8	5	2380757-2	BLUE	1-2823560-1	1-2823561-1	1-2823564-1
1-2823447-2	M12 A-M-8,CAT7 BETATRANS C-FLE8.8MM,LEON					Straight	Betatrans C-Fle 8.8mm	Leoni 302834 - 871433	Cat 7	Black	8 x AWG24							RED			
1-2823447-3	M12 A-M-8 CRI ST CAT 5 MEGALI 5.3MM,LEON					Straight	Megaline 5.3mm Leoni	Leoni 20123 3103012	Cat 5	Grey	8 x AWG26							WHITE			
1-2823447-4	M12 A-M-8 CRIMP ST CAT 7 RADOX 8.2MM,H&S					Straight	Radox 8.2mm	H&S 84124806	Cat 7	Black	8 x AWG24							BLUE			
1-2823447-5	M12 A- M 8 CAT 5MEGALINE 5.3MM,LEONI					Bulkhead	Megaline 5.3mm Leoni	Leoni 20123 3103012	Cat 5	Grey	8 x AWG26							WHITE			
1-2823447-6	M12 A-M-8 CR ST CAT 7 RADOX 8.2MM,H&S					Bulkhead	Radox 8.2mm	H&S 84124806	Cat 7	Black	8 x AWG24							BLUE			
1-2823447-9	M12 A-M-8 CR CAT 7, 8.4MM,TE 2297799-1					Bulkhead	TE Cat 7 cable TECC0011C7	TE 2297799-1	Cat 7	Blue	8 x AWG24						YELLOW				

ISO VIEW

M12 A-8 MALE CONNECTOR

ISO VIEW

M12 A-8 MALE CONNECTOR BULK HEAD

PANEL CUT-OUT AS SHOWN

1X45°

1X45°

MAX 4

M16X1.5

13.5

Ø16.1

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: 2A, NOMINAL VOLTAGE: 30V, 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 24g

CUSTOMER DRAWING

TE

TE Connectivity

M12, A-CODED

RAIL MALE 8 CRIMP CONNECTORS

-

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-2823447

-

SCALE

NTS

SHEET

1 OF 1

REV

A3

1470-19 (1/15)