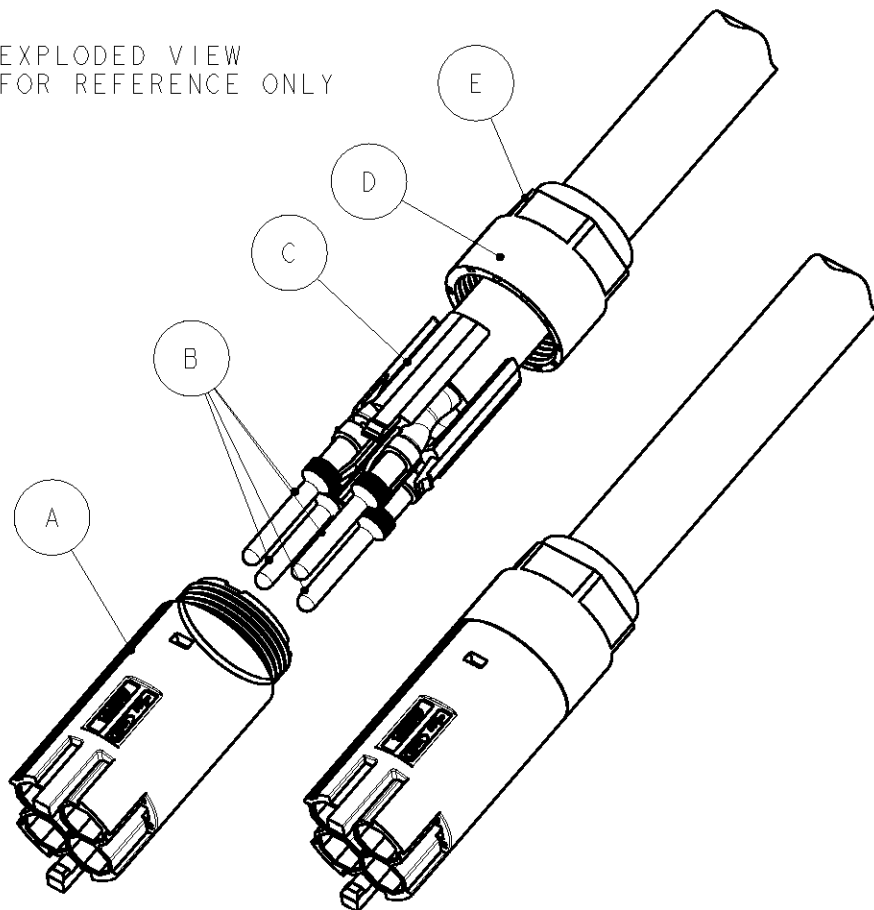


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DWG NO

411-20108

EXPLODED VIEW
FOR REFERENCE ONLY



! WARNING !

- DO NOT OPERATE WHEN
CABLE IS ENERGIZED !

- DANGEROUS COMPATIBILITY
BETWEEN DIFFERENT
INSTALLATION SYSTEMS IS
NOT AUTOMATICALLY
PREVENTED BY COMPLIANCE
WITH IEC 61535

- NO DANGEROUS
INTERCHANGEABILITY WITH
SYSTEMS SPECIFIED IN STD
SHEETS OF IEC 60309, IEC
60320, IEC 60906 AND WITH
THE DECLARED NATIONAL
DOMESTIC PLUG AND SOCKET
OUTLET SYSTEM
- THIS INSTALLATION SYSTEM
IS NOT A REPLACEMENT FOR
NATIONAL DOMESTIC PLUG AND
SOCKET OUTLET SYSTEM

- TABLE 1 -

E (*)	1	293256-X	PLASTIC NUT FOR CABLE RETENTION
D (*)	1	N.A.	3G / 4G "LSOH" CABLE
C (*)	1	293254-X	LOCKING FOR CONTACTS FREE HANGING VERSION
B (*)	3 or 4 (*)	X-1105100-X	PIN CONTACTS
A (*)	1	293252-X	HOUSING FOR PIN CONTACTS FREE HANGING VERSION
ITEM	QTY	PART NUMBER	DESCRIPTION

NOTES (*):

- 1) FOR EACH CONNECTOR COMPONENT, SEE RELEVANT C-DRAWING FOR PROPER P/N WITH 3POLE/4POLE AND WIRE SIZE APPLICATION
- 2) PIN CONTACTS TO BE USED, N.3/N.4 ACCORDING TO 3POLE/4POLE APPLICATION RESPECTIVELY:
1.5sqmm WIRE: P/N 3-1105100-3
2.5sqmm WIRE: P/N 4-1105100-3
4.0sqmm WIRE: P/N 5-1105100-3
- 3) FOR CABLE TYPE AND DIMENSIONS SEE TABLE 2

LOC
1
DIST
-

				DWN	24APR2007	CHK	24APR2007	APVD	24APR2007
				U.AIME		U.AIME		-	
				DIMENSIONS:				MATERIAL	
				mm				- HT TR	
				TOLERANCES UNLESS OTHERWISE SPECIFIED:				-	
								Tyco Electronics	
				0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±1				AMP Italia S.p.A. C.so F.lli Cervi 15 Collegno (TO)	
3 revised				28DEC2009	UA	-	NAME		
P LTR REVISION RECORD				DATE	DWN	APVD	INSTR. SHEET FOR RECPT. CONN. FREE HANGING		
THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.				SCALE				SHEET	
				1:1				1 OF 4	
				SIZE/FMT				REV	
				A4				3	
				DRAWING NO					
				411-20108					

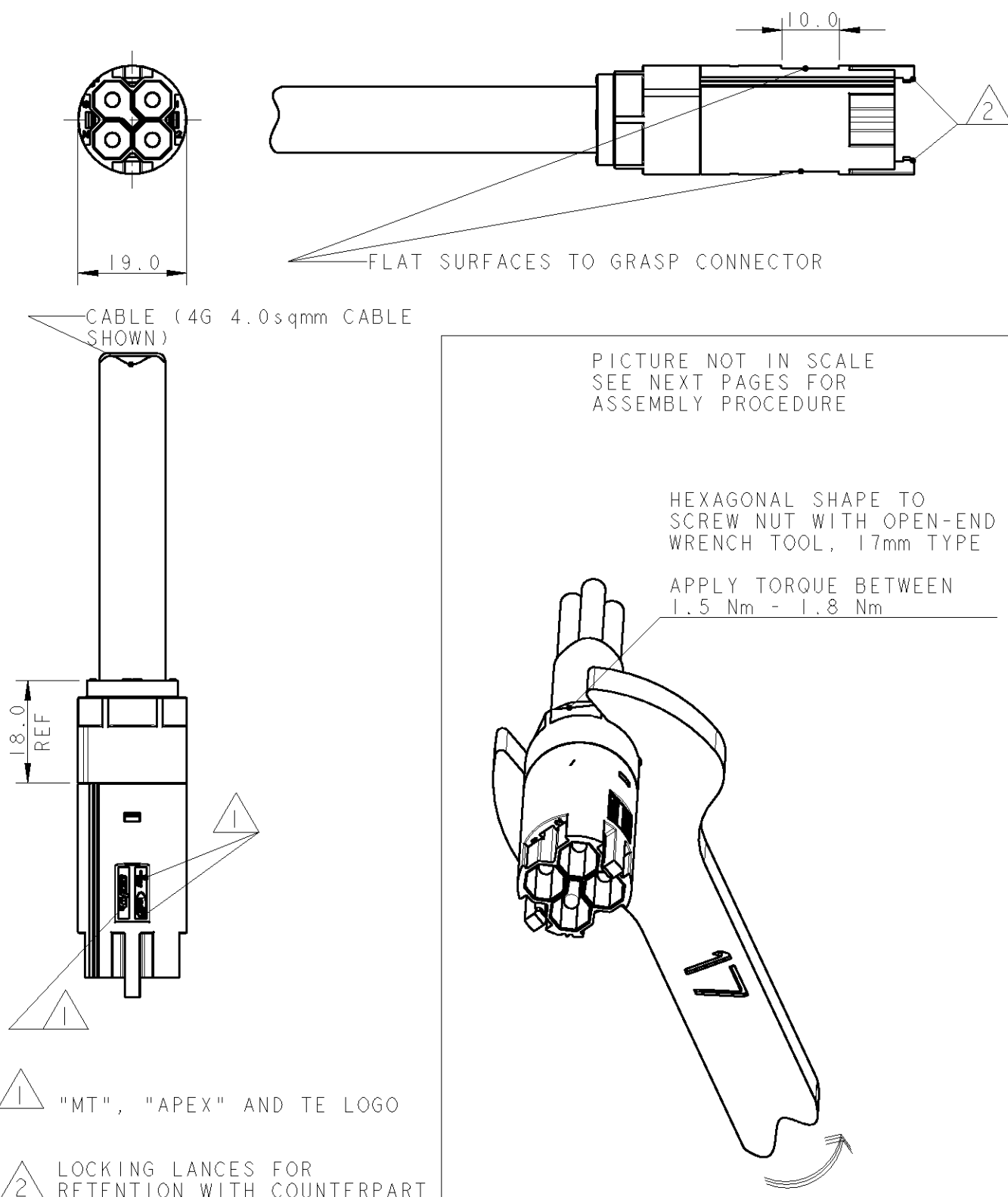
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DWG NO

411-20108

USED ON

RECPT. CONNECTOR OVERALL DIMENSIONS



LOC

1

DIST

-

1 "MT", "APEX" AND TE LOGO

2 LOCKING LANCES FOR RETENTION WITH COUNTERPART

SEE SHEET 1

DWN				24APR2007				CHK				24APR2007				APVD				24APR2007			
U.AIME				U.AIME				-				-				-				-			
DIMENSIONS:				mm				TOLERANCES UNLESS OTHERWISE SPECIFIED:				MATERIAL				HT TR				-			
SURFACE TEXTURE				0 PLC				±				1 PLC				±				2 PLC			
				3 PLC				±				4 PLC				±				ANGLES			
								±															
SCALE				1:1				SIZE/FMT				DRAWING NO				411-20108				SHEET			
																2				OF			
																				3			

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DWG NO

411-20108

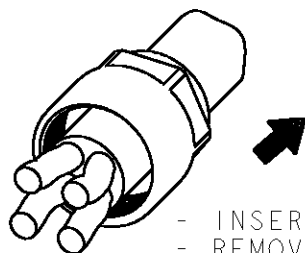
USED ON

-

- TABLE 2 -
3G / 4G "LSOH" CABLE TYPE

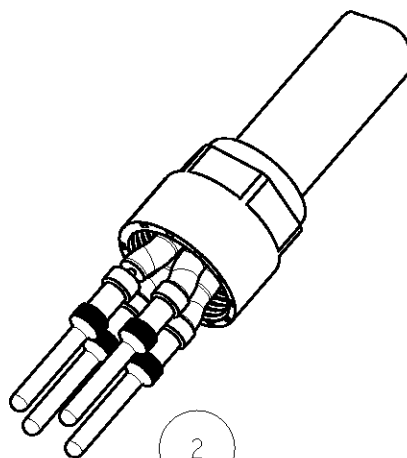
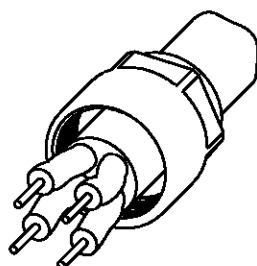
CABLE / WIRE SIZE USED	CABLE DIAMETER		
	MIN.	STD.	MAX.
4G / 4.0 sqmm	11.2	11.3	11.5
3G / 4.0 sqmm	10.2	10.3	10.4
4G / 2.5 sqmm	9.3	9.35	9.6
3G / 2.5 sqmm	8.5	8.6	8.8
4G / 2.5 sqmm	8.2	8.3	8.5
3G / 1.5 sqmm	7.5	7.6	7.8

- ASSEMBLY PROCEDURE -



1

- INSERT PLASTIC NUT FOR CABLE RETENTION P/N 293256-X AS SHOWN
- REMOVE INSULATION JACKET FOR A LENGTH OF 20.0 ± 0.1 mm



2

- STRIP PE CONDUCTOR WIRE FOR A LENGTH OF 7.0 mm
- STRIP OTHER CONDUCTOR WIRES TO 9.5 mm AND TRIM LENGTH AT 7.0 mm
- CRIMP CONTACTS P/N X-1105100-X, ACCORDING TO APPLICATION SPECIFICATION 114-20125

LOC

1

DIST

-

SEE SHEET 1

DWN	24APR2007	CHK	24APR2007	APVD	24APR2007
U.AIME		U.AIME		-	
DIMENSIONS:		MATERIAL			
mm		- HT TR			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		AMP Italia S.p.A. C.so F.lli Cervi 15 Collegno (TO)			
		NAME			
0 PLC ±		INSTR. SHEET FOR RECPT.			
1 PLC ±		CONN. FREE HANGING			
2 PLC ±					
3 PLC ±					
4 PLC ±					
ANGLES ±					
SCALE	SIZE/FMT	DRAWING NO		SHEET	REV
1:1	A4	411-20108		3 OF 4	3

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DWG NO

411-20108

USED ON

-

3

3

DETAIL A
SCALE 2:1
VALID FOR ALL CONTACTS

MATING SURFACE BETWEEN
CONTACT AND FEATURE
FOR CONTACT RETENTION

SEE DETAIL A

- ALIGN LOCKING FOR CONTACTS FREE HANGING
VERSION P/N 293254-X AND PLACE IT LIKE SHOWN

3

FEATURES FOR CONTACT RETENTION IN HOUSING

4

- ALIGN PIN HOUSING
IN-LINE VERSION P/N
293252-X AS SHOWN
- INSERT CONTACTS INTO
CAVITIES HOUSING AND
LOCKING FOR CONTACTS FREE
HANGING P/N 293254-X
UNTIL THEY REACH THEIR
STOP.

TO GET NON-REWIRABLE
CONNECTOR ACCORDING
TO NORM 61535
APPLY LOCTITE GLUE
401 TYPE ALL AROUND
THREAD (QTY: ~ 0.06g)
BEFORE SCREWING
THE NUT

4

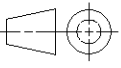
VISUAL INSPECTION
POINT (2 PLCS) TO
VERIFY CORRECT
INSERTION

- SCREW
PLASTIC NUT
FOR CABLE
RETENTION P/N
293256-1

LOC

DIST

SEE SHEET 1

DWN	24APR2007	CHK	24APR2007	APVD
U.AIME		U.AIME		-
DIMENSIONS:		MATERIAL		
mm		- HT TR		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		 AMP Italia S.p.A. C.so F.lli Cervi 15 Collegno (TO)		
 SURFACE TEXTURE		NAME		
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±		INSTR. SHEET FOR RECPT. CONN. FREE HANGING		
SCALE	SIZE/FMT	DRAWING NO	SHEET	REV
1:1	A4	411-20108	4 OF 4	3