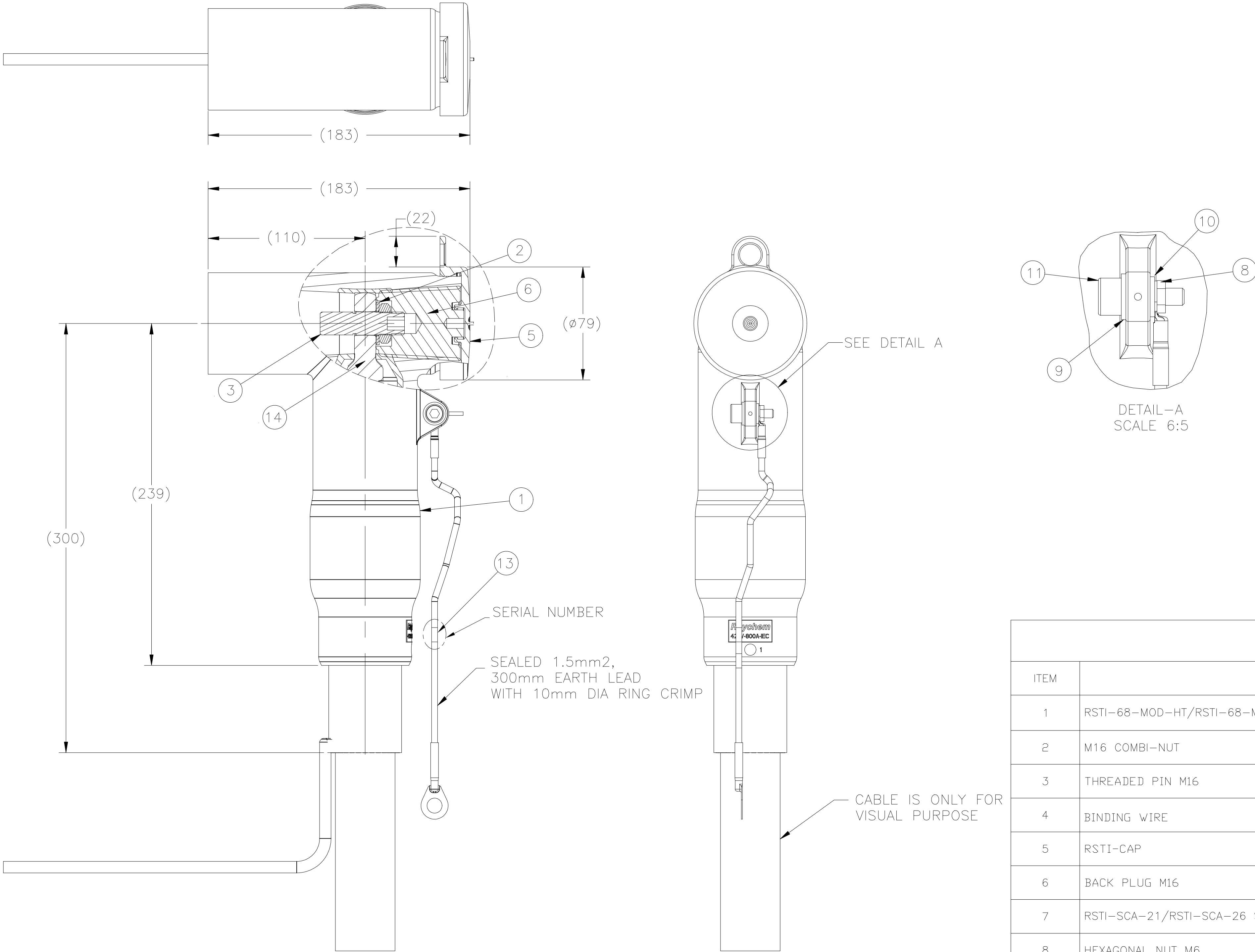


PROJECT	PRJ-11-000004818
TE PN	2191666
HV DESC	KTHV-RSTI-68XXR-HT-500
CUSTOMER	GLOBAL RAIL

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
C		ECR-25-240819	24APR2025	LP	SD



TECHNICAL SPECIFICATION:

- CABLE CORE INSULATION DIAMETER RANGE: 36.0 TO 51.0 mm
- CONNECTOR CROSS-SECTION RANGE: 50mm²-240mm²
- MAXIMUM SYSTEM VOLTAGE: 42kV
- CONTINUOUS CURRENT RATING: 800A
- BASIC IMPULSE LEVEL: 200kV
- PARTIAL DISCHARGE: 37.5kV - <5pC
- AC VOLTAGE WITHSTAND, 5MIN: 93.5kV
- DC VOLTAGE WITHSTAND, 15MIN: 125kV

NOTES:

- TERMINATION CONSUMABLES AND INSTALLATION AS PER FOLLOWING DOCUMENTS:
 - ENG_CSD_411-103091-2 FOR RSTI TERMINATION
 - EARTH LEAD CRIMPING TO BE CONDUCTED ACCORDING TO PROCESS INSTRUCTION RAIL/015/13 AND RAIL/007/11.
- EARTH LEAD FIXINGS TO BE ASSEMBLED AND MARKED AS PER IPCR 129-103067 OR RAIL/009/11.
- RSTI KIT TO BE PACKAGED UTILISING RESPECTIVE PACKAGING TO TE STANDARD REQUIREMENTS.
- FOR CRIMP LUG / SHEAR BOLT LUG REFER CONFIGURATION SHEET 2.

PART LIST		
ITEM	DESCRIPTION	QTY
1	RSTI-68-MOD-HT/RSTI-68-MOD2-HT	1
2	M16 COMBI-NUT	1
3	THREADED PIN M16	1
4	BINDING WIRE	1
5	RSTI-CAP	1
6	BACK PLUG M16	1
7	RSTI-SCA-21/RSTI-SCA-26 STRESS CONE	1
8	HEXAGONAL NUT M6	1
9	WASHER M6	1
10	WASHER M6	1
11	CLAMPING SCREW M6	1
12	CABLE TY	2
13	SERIAL NUMBER TRACEABILITY LABEL	1
14	REFER CONFIGURATION TABLE FOR LUG (SHEET 2)	1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GUNA 18FEB2015	 TE Connectivity Ltd.		
		CHK KAMAL 18FEB2015			
DIMENSIONS: MM		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD R.PHILLPOTTS 18FEB2015	NAME KTHV-RSTI-68XXR-HT-500 TE KIT -
	0	PLC	± -	PRODUCT SPEC	
	1	PLC	± -		
	2	PLC	± -	APPLICATION SPEC	
	3	PLC	± -		
	4	PLC	± -		
	ANGLE'S	± -			
MATERIAL -	FINISH -			WEIGHT -	SIZE A1
				CAGE CODE 00779	DRAWING NO 2191666
				CUSTOMER DRAWING	RESTRICTED TO -
				SCALE NTS	SHEET 1 OF 2
					REV C

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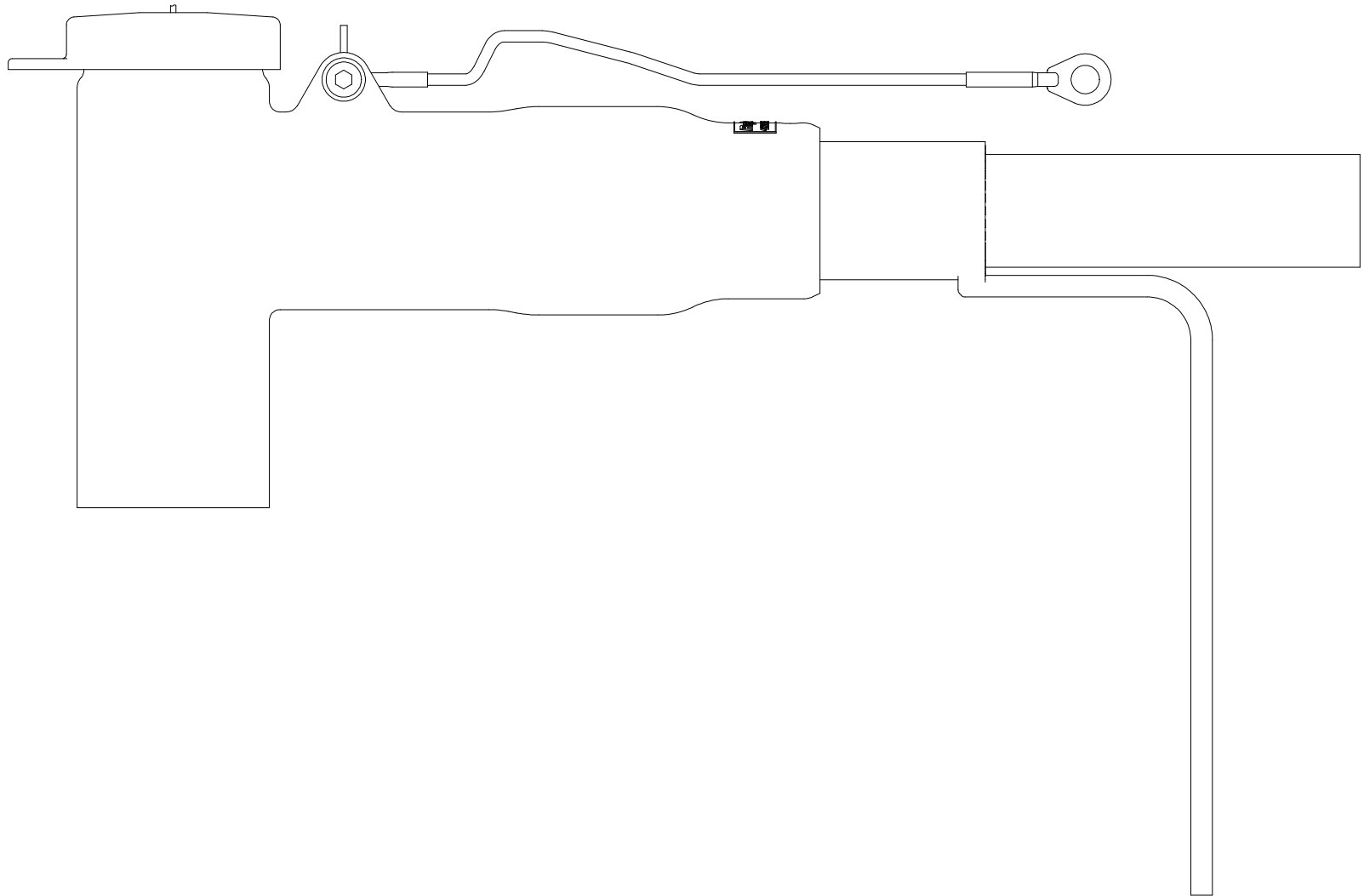
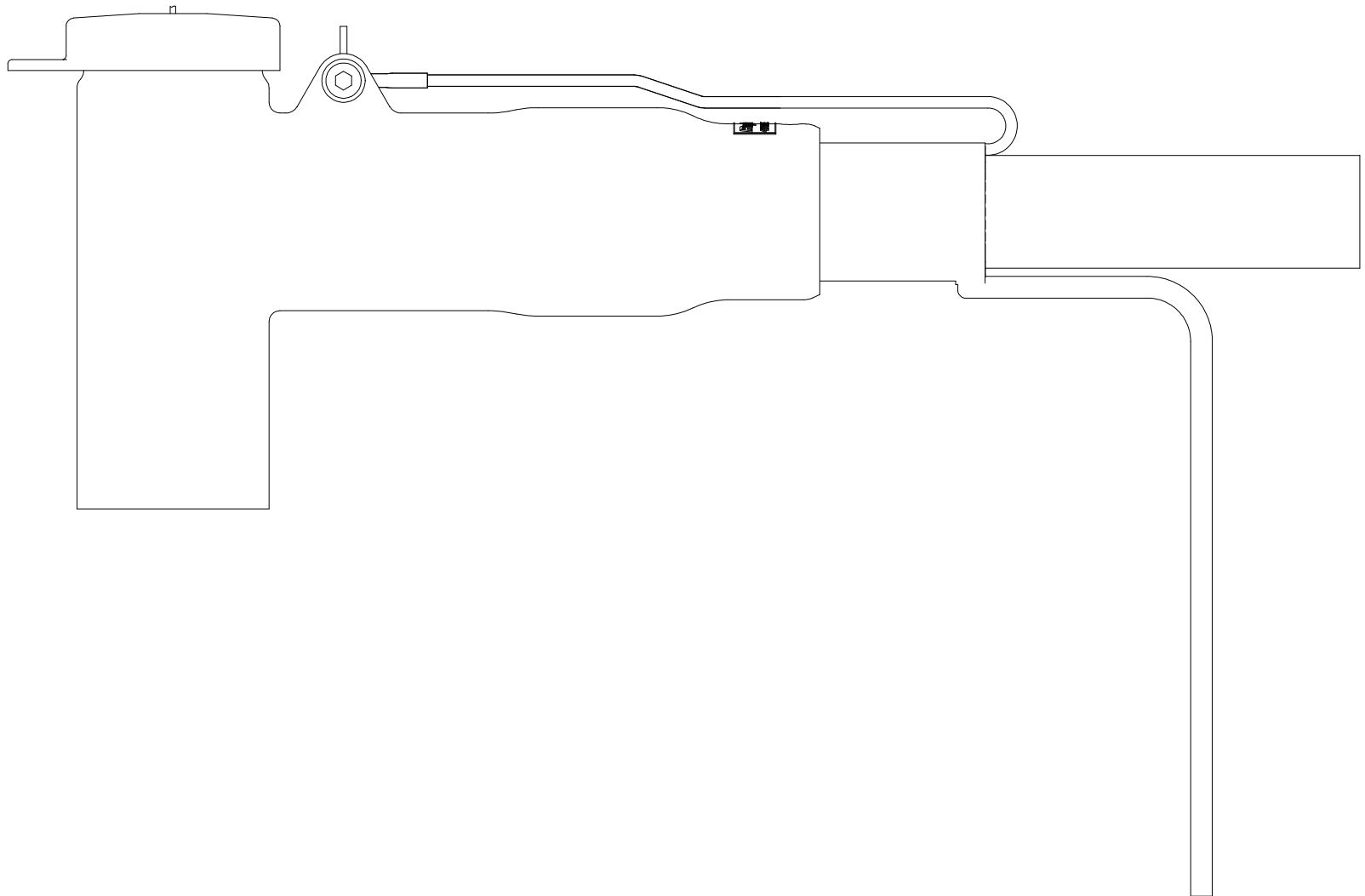
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—

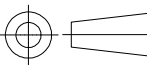
SL NO	BOM for HVTE / HVEE:	1-2191666-1	1-2191666-2	1-2191666-3	1-2191666-4	1-2191666-5	1-2191666-6	1-2191666-7
		KTHV-RSTI 6821R-HT-500	KTHV-RSTI 6822R-HT-500	KTHV-RSTI 6823R-HT-500	KTHV-RSTI 6824R-HT-500	KTHV-RSTI 6825R-HT-500	KTHV-RSTI 6826R-HT-500	KTHV-RSTI 6827R-HT-500
		50 mm ²	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²
1.1 △6	HEL-76050-800A /BLMC-25/95-16-800A-(LUG) /VCHV-LUG-50SQMM-3701	1	—	—	—	—	—	—
	HEL-76070-800A /VCHV-LUG-70SQMM-3702	—	1	—	—	—	—	—
	HEL-76095-800A /BLMC-95/240-16-800A-(LUG) /VCHV-LUG-95SQMM-3703	—	—	1	—	—	—	—
	HEL-76120-800A /VCHV-LUG-120SQMM-3704	—	—	—	1	—	—	—
	HEL-76150-800A /BLMC-95/240-16-800A /VCHV-LUG-150SQMM-3705	—	—	—	—	1	—	—
	HEL-76185-800A /BLMC-95/240-16-800A /VCHV-LUG-185SQMM-3706	—	—	—	—	—	1	—
	HEL-76240-800A (LUG) /VCHV-LUG-240SQMM-3707	—	—	—	—	—	—	1
1.2	DCPT-6/2-45	300 mm	300 mm	300 mm	300 mm	300 mm	300 mm	300 mm
1.3	B-106-1602 (M6 TERMINAL)	1	1	1	1	1	1	1
1.4	CABLE TY 360X4.8 BLA	2	2	2	2	2	2	2

SL NO	BOM for HVTE / HVEE:	1-2191666-8	1-2191666-9	2-2191666-1	2-2191666-2	2-2191666-3	2-2191666-4	2-2191666-5
		KTHV-RSTI 6821R-HT-500 -NEL	KTHV-RSTI 6822R-HT-500- NEL	KTHV-RSTI 6823R-HT-500- NEL	KTHV-RSTI 6824R-HT-500- NEL	KTHV-RSTI 6825R-HT-500- NEL	KTHV-RSTI 6826R-HT-500- NEL	KTHV-RSTI 6827R-HT-500 -NEL
		50 mm ²	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²
1.1 △6	HEL-76050-800A /BLMC-25/95-16-800A-(LUG) /VCHV-LUG-50SQMM-3701	1	—	—	—	—	—	—
	HEL-76070-800A /VCHV-LUG-70SQMM-3702	—	1	—	—	—	—	—
	HEL-76095-800A /BLMC-95/240-16-800A-(LUG) /VCHV-LUG-95SQMM-3703	—	—	1	—	—	—	—
	HEL-76120-800A /VCHV-LUG-120SQMM-3704	—	—	—	1	—	—	—
	HEL-76150-800A /BLMC-95/240-16-800A /VCHV-LUG-150SQMM-3705	—	—	—	—	1	—	—
	HEL-76185-800A /BLMC-95/240-16-800A /VCHV-LUG-185SQMM-3706	—	—	—	—	—	1	—
	HEL-76240-800A (LUG) /VCHV-LUG-240SQMM-3707	—	—	—	—	—	—	1
1.2	EARTH LEAD 300mm	1	1	1	1	1	1	1

5. RSTI-68 KITS FOR SEPARATE SALES BASED ON COMMON ROLLING STOCK HIGH VOLTAGE CABLES.

△6 SHEAR BOLT LUG IS AN OPTIONAL PART AND CAN BE USED AS ALTERNATIVE TO CRIMP LUG IN CASE OF CRIMP LUG NOT BEING AVAILABLE IN STOCK AND WITH PRIOR APPROVAL FROM CUSTOMER



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GUNA 18FEB2015	 TE Connectivity Ltd.		
		CHK KAMAL 18FEB2015			
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD R-PHILLIPOTS 18FEB2015	NAME	KTHV-RSTI-6823R-HT-500 TE KIT	
MM		PRODUCT SPEC	—		
	0. PLC	± —	APPLICATION SPEC	—	
	1. PLC	± —	—	—	
	2. PLC	± —	—	—	
	3. PLC	± —	—	—	
	4. PLC	± —	—	—	
	ANGLES	± —	—	—	
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO
—	—	—	A1	00779	2191666
CUSTOMER DRAWING			SCALE	NTS	SHEET 2 OF 2
			REV	C	

4805 (1/15)