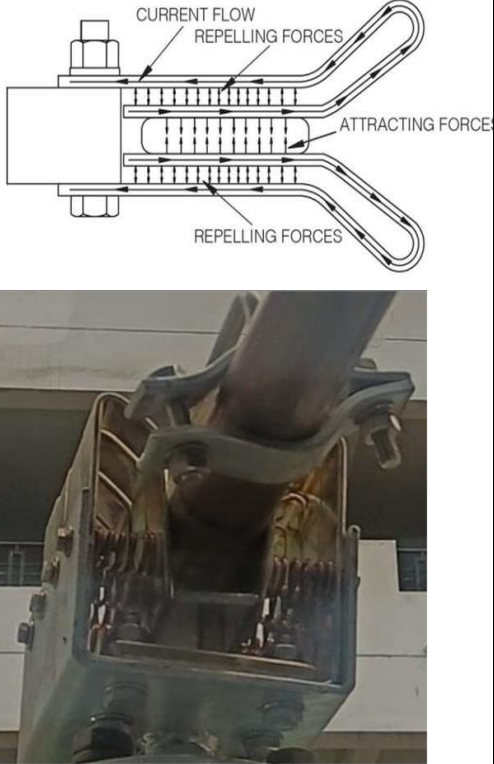


Reasoned document on the A & C Slip no. 1 to the Specification no. TI/SPC/PSI/ISOLTR/0210 (July, 2021) for 25 kV Motorized/Manual operated and 50kV/66kV/100kV/110 kV/132kV/220kV Manual operated, Single Pole, Double Pole and Triple Pole Isolators for Railway Electric Traction.

SN	RDSO Specification Requirement		Comment of the firm	RDSO remarks (Accepted/ Not-accepted)
	Clause No.	Description		
1.	Clause no. 4.1, S.No.11 (i)	Rated Lightning impulse withstand voltage for 25 kV, Motor/Manual Operated Isolator 1250/1600/2000/3150A To earth and between poles - 240 kV (Peak)	<p>M/s Trittech: We have gone through your enclosed Draft A & C Slip no. 1 to the Specification no. TI/SPC/PSI/ISOLTR/0210 (July, 2021) for 25 kV Motorized/Manual operated and 50kV/66kV/100kV/110 kV/132kV/220kV Manual operated, Single Pole, Double Pole and Triple Pole Isolators. All the points are correct in this amendment which are amended by considering vendor's suggestions.</p>	Noted
2.	Clause No. 4.1, S.No.12	Rated short time withstand current (both for main & earthing switch) for 25 kV, Motor/Manual Operated Isolator for 2000A - 20 kA (rms) for three second for 3150A - 20 kA (rms) for three second		
3.	Clause No. 4.1, S. No. 13	Rated peak withstand current (both for main & earthing switch) for 25 kV, Motor/Manual Operated Isolator for 2000A - 50 kA for 3150A - 50 kA		
4.	Clause No. 6.3 (d)	Power frequency voltage dry withstand tests (on the Isolators Only) for 50kV & above. deleted		
5.	Clause 5.0 (iii)	The blades of the isolator shall be of electrolytic high conductivity copper with ends silver-plated (min. thickness 10 microns) and of adequate cross section to IS: 191 - 2007 to withstand thermal and bending stresses particularly under short circuit fault conditions.		

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	5.1 (ii)	of the isolator shall be in the form of reverse loop so that passage of short circuit current they exert additional pressure on the moving contacts	<p>M/s Elektrolites: The contact of the isolator shall be in form of a "W" shaped or "M" shaped reverse loop with current flowing as per the given sketch:</p>  <p>The current should flow through the loop twice and then onto the pad, in order to exert additional pressure on the moving contacts.</p>	
7.	Clause 6.3	New para add as 6.3 (f)	<p>M/s Elektrolites: Kindly add conductivity test on all copper parts as a routine and acceptance test.</p>	
8.	Clause No. 11.1.1 of RDSO Spec No. ETI/OHE /16 (1/94)	If the Electrical clearances Viz. the isolating distance , clearance of live parts to ground and the clearance between the two poles are maintained to Annexure 'B' and the insulators are supplied by the purchaser, high voltage tests (12.8 and 12.9) may be waived at the discretion of RDSO/CORE/Purchaser.	<p>M/s KSE: If Vendors are approved in any kV ratings and they want further approvals in same kV ratings in which they are already approved with another rated current then in this case they may not need to perform these two type test of:- (i) One minute wet Power frequency test across the isolating distance and to earth. Clause no. 6.1.viii of RDSO spec no. TI/SPC/PSI/ISOLTR/0210. (ii) Impulse Voltage withstand test across isolating distance and to earth. Clause no. 6.1.ix of RDSO spec no. TI/SPC/PSI/ISOLTR/0210.</p>	This Para has been revised in last revision of Specification