Doc.-No.: 3EGF003295D0005 Project: Data Sheet TracFeed® MTS 3EGF015853 Rail Power Systems

Product	TracFeed [®] MTS-I 25 kV 1.7 kA
Manufacturer	Rail Power Systems GmbH
Material number	3EGF015853

General

Type of unit	Disconnector with earthing contact
Place of operation	Outdoor
Material contacts	Cu-ETP

Mechanical values

	Value	Unit
Mass (ca.)	38	kg
Dimensions (closed) L x W x H	786 x 210 x 1353	mm
Dimensions (opened) L x W x H	1200 x 210 x 1262	mm
Number of poles	1	
Switching force contacts	250	N
Switching force lever	750	N
Mechanical endurance class in accordance with EN 50152-2	3	
Permitted ice load	10	mm
Mechanical lifetime (switching cycles)	30 000	

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Electrical values

in accordance with: EN 50152-2 (EN 62271-102, EN 50119, EN 50124-1, EN 50163) IEC 62505-2 (IEC 62271-102, IEC 60913, IEC 62497-1, IEC 60850)

	Value	Unit
Nominal voltage (Un)	25	kV
Rated voltage (Ur)	27.5	kV
Rated insulation voltage (U _{Nm})	27.5	kV
Rated impulse voltage (U _{Ni})	250	kV
Short-duration power-frequency withstand voltage (U_d)	95	kV
Rated continuous current (<i>I</i> _r)	1.7	kA
Rated short-time withstand current (<i>I</i> _k)	50	kA
Rated duration of short-circuit (t _k)	1	S
Rated peak withstand current (<i>I</i> _p)	125	kA
Creepage distance	1300	mm
Clearance to earth and between phases	470	mm
Clearance across the isolating distance	475	mm

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