

44423354	DATA SHEET	
Valid from: 13.01.2020	EPIC® 250A MHS PE / MHB PE	

Description

- High power module 1pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions is one plug guarantees high flexibility



General characteristics

Type	PE-Male insulation body (44423354) PE-Female insulation body (44423355)	
Number of contacts	1	
Mating cycles	≥ 500	
Material	Polyamide, glass fibre-reinforced	
Inflammability class acc. with UL 94	V0	
Pollution degree	3	
Temperature range	-40° C to +125° C	
Termination methods	Crimp termination: 25– 95 mm ²	
PE-Contact	With 4 mm ² stranded wire (approx. 160 mm) for connection to PE screw of the frame for potential equalisation. Wire end sleeve is crimped on.	
Suitable male frame	EPIC® MHS 6 multi-frame	44423234
	EPIC® MHS 10 multi-frame	44423236
	EPIC® MHS 16 multi-frame	44423238
	EPIC® MHS 24 multi-frame	44423240
Suitable female frame	EPIC® MHB 6 multi-frame	44423235
	EPIC® MHB 10 multi-frame n	44423237
	EPIC® MHB 16 multi-frame	44423239
	EPIC® MHB 24 multi-frame	44423241
Suitable male PE-contacts	EPIC® MH PE SCEMS 10mm contact 25 mm ²	44423344
	EPIC® MH PE SCEMS 10mm contact 35 mm ²	44423346
	EPIC® MH PE SCEMS 10mm contact 50 mm ²	44423348
	EPIC® MH PE SCEMS 10mm contact 70 mm ²	44423350
	EPIC® MH PE SCEMS 10mm contact 95 mm ²	44423352
Suitable female PE-contacts	EPIC® MH PE BCEMS 10mm contact 25 mm ²	44423345
	EPIC® MH PE BCEMS 10mm contact 35 mm ²	44423347
	EPIC® MH PE BCEMS 10mm contact 50 mm ²	44423349
	EPIC® MH PE BCEMS 10mm contact 70 mm ²	44423351
	EPIC® MH PE BCEMS 10mm contact 95 mm ²	44423353

Creator: STKU3/PDP Released: IVSE1/PDP	Document: DB44423354EN Version: 02	Page 1 of 2
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Electrical characteristics

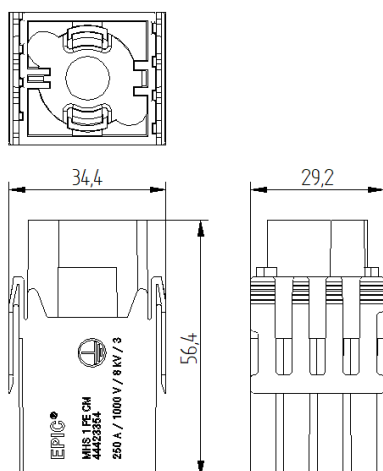
Rated voltage	1000 V
Contact resistance	< 5 mΩ
Rated impuls voltage	8 kV
Rated current	Refer to MH 250A Power Modules

Standards/Approvals

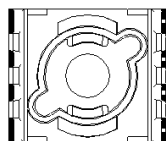
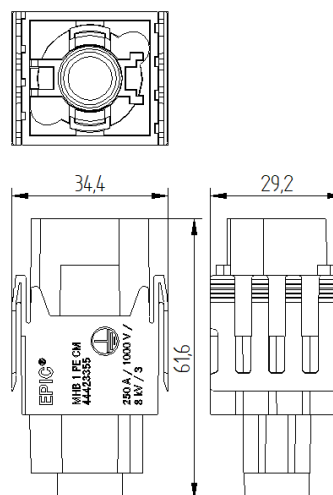
Fire protection on railway vehicles	According to EN 45545-2 Requirement sets R22 and R23 Hazard level HL1, HL2 and HL3
cURus approval in progress	

Drawings

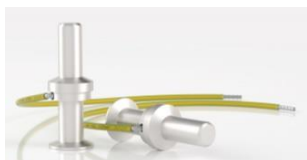
Male PE-insulation body



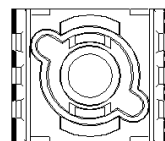
Female PE-insulation body protected



PE-male contact



(The pictures shows the 25 mm² version)



PE-female contact



Note

Photographs are not to scale and do not represent detailed images of the respective products.

Creator: STKU3/PDP Released: IVSE1/PDP	Document: DB44423354EN Version: 02	Page 2 of 2
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