

44423329	DATA SHEET	
Valid from: 13.01.2020	EPIC[®] MH 250A MHB PROTECTED / MHS PROTECTED / MHS UNPROTECTED	

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	Female insulation body protected (44423329) Male insulation body protected (44423328) Male insulation body unprotected (44423342)
Number of contacts	1
Mating cycles	≥ 500
Material	Polyamid, glasfiber reinforced
Inflammability class acc. with UL 94	V0
Pollution degree	3
Temperatue range	-40° C to +125° C
Termination methods	Crimp termination: 25- 95 mm ²

Suitable male frame	EPIC [®] MHS 6 multi-frame (1 Module)	44423234
	EPIC [®] MHS 10 multi-frame (1 Module)	44423236
	EPIC [®] MHS 16 multi-frame (2 Module)	44423238
	EPIC [®] MHS 24 multi-frame (3 Module)	44423240
Suitable female frame	EPIC [®] MHB 6 multi-frame (1 Module)	44423235
	EPIC [®] MHB 10 multi-frame (1 Module)	44423237
	EPIC [®] MHB 16 multi-frame (2 Module)	44423239
	EPIC [®] MHB 24 multi-frame (3 Module)	44423241
Suitable male contacts	EPIC [®] MHS 10 mm contact 25 mm ²	44423330
	EPIC [®] MHS 10 mm contact 35 mm ²	44423332
	EPIC [®] MHS 10 mm contact 50 mm ²	44423334
	EPIC [®] MHS 10 mm contact 70 mm ²	44423336
	EPIC [®] MHS 10 mm contact 95 mm ²	44423338
Suitable female contacts	EPIC [®] MHB 10 mm contact 25 mm ²	44423331
	EPIC [®] MHB 10 mm contact 35 mm ²	44423333
	EPIC [®] MHB 10 mm contact 50 mm ²	44423335
	EPIC [®] MHB 10 mm contact 70 mm ²	44423337
	EPIC [®] MHB 10 mm contact 95 mm ²	44423339

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Electrical characteristics

Rated voltage	1000 V
Contact resistance	< 5 mΩ
Rated impuls voltage	8 kV
Rated current	250 A

Standards/Approvals

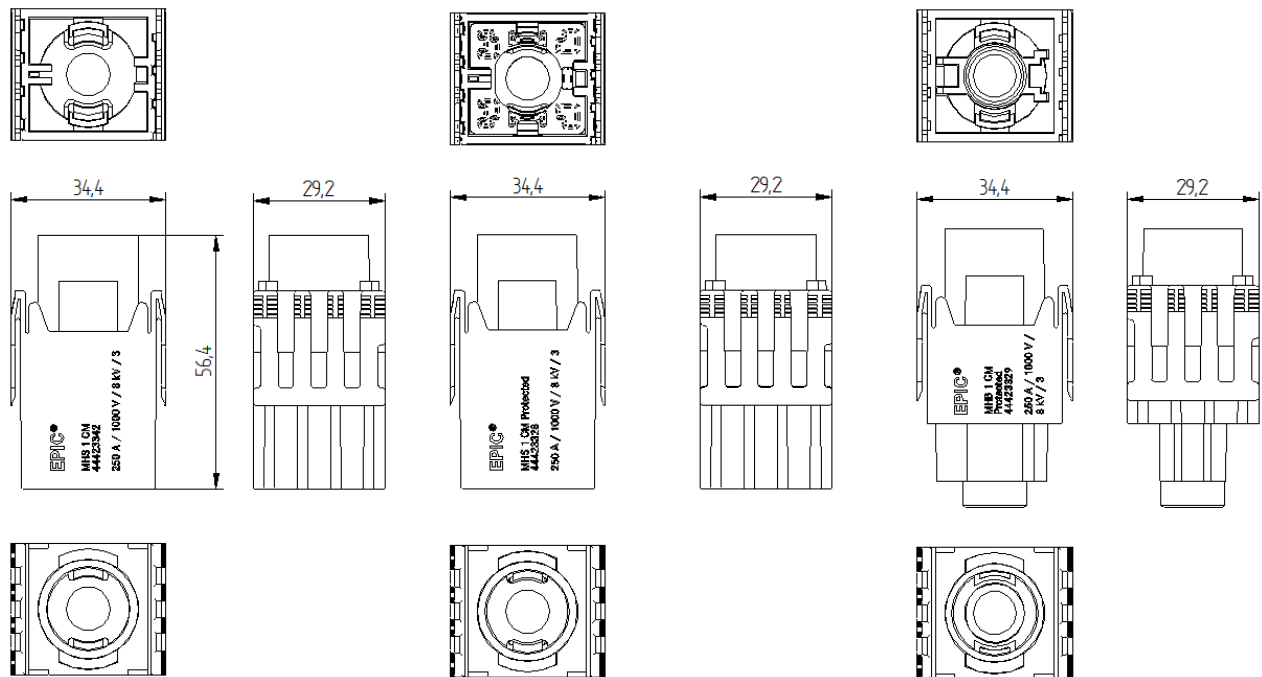
Fire protection on railway vehicles	according to EN 45545-2 Requirement sets R22 and R23 Hazard level HL1, HL2 and HL3
cURus approval in preparation	

Drawings

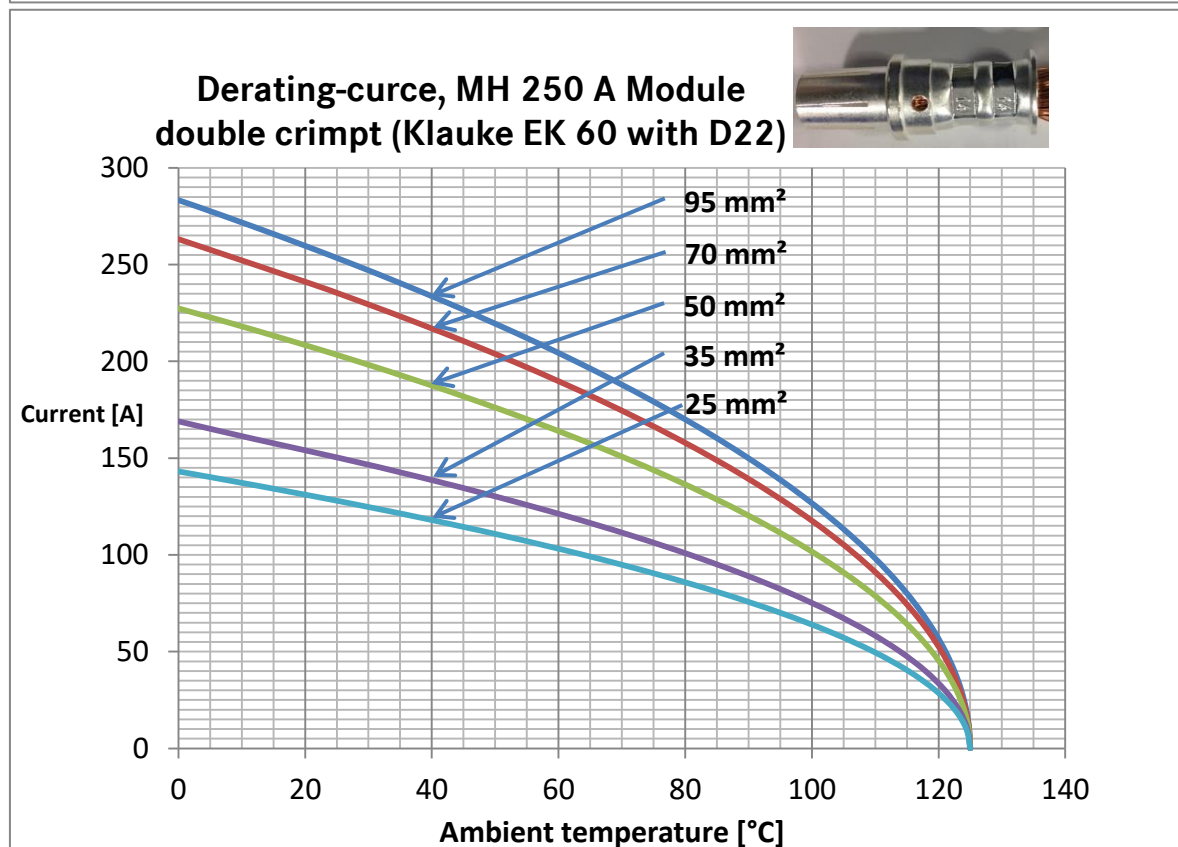
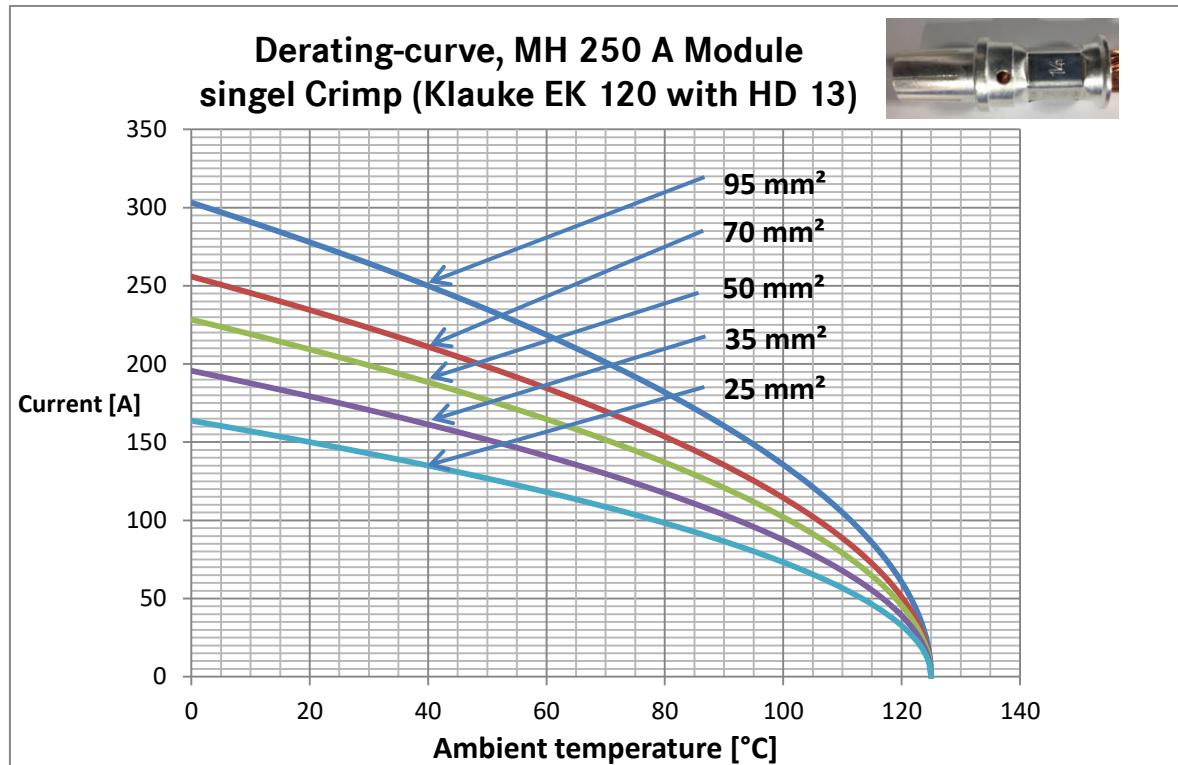
male insulation body unprotected

male insulation body protected

female insulation body protected



Derating curves

**Note**

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