

44423329	DATA SHEET	
Valid from: 17.02.2023	EPIC® MH 250A MHB PROTECTED / MHS PROTECTED / MHS UNPROTECTED	

Description

- High power module 1-pole for compact power transmission
- Crimp termination for permanent vibration proof connection
- Axial screw termination for easy mounting without special tools
- 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	Polyamide, glass-fiber reinforced
Inflammability class acc. with UL 94	V0
Pollution degree	3
Temperature range	-40° C to +125° C
Termination methods	Crimp Termination: 25 mm ² – 95 mm ² Axial Screw Termination: 35 mm ² – 70 mm ² (not for solid conductor)

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 crimp contacts	EPIC® MH SCEM 25 mm ² D=10.0mm	44423330
	EPIC® MH SCEM 35 mm ² D=10.0mm	44423332
	EPIC® MH SCEM 50 mm ² D=10.0mm	44423334
	EPIC® MH SCEM 70 mm ² D=10.0mm	44423336
	EPIC® MH SCEM 95 mm ² D=10.0mm	44423338
Suitable female crimp contacts	EPIC® MH BCEM 25 mm ² D=10.0mm	44423331
	EPIC® MH BCEM 35 mm ² D=10.0mm	44423333
	EPIC® MH BCEM 50 mm ² D=10.0mm	44423335
	EPIC® MH BCEM 70 mm ² D=10.0mm	44423337
	EPIC® MH BCEM 95 mm ² D=10.0mm	44423339

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Suitable male axial screw contact EPIC® ASC SSEM AG 35 - 70 mm² D=10.0mm 44423397

Suitable female axial screw contact EPIC® ASC BSEM AG 35 - 70 mm² D=10.0mm 44423396

Electrical characteristics

Rated voltage	1000 V
Contact resistance	≤ 0,3 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

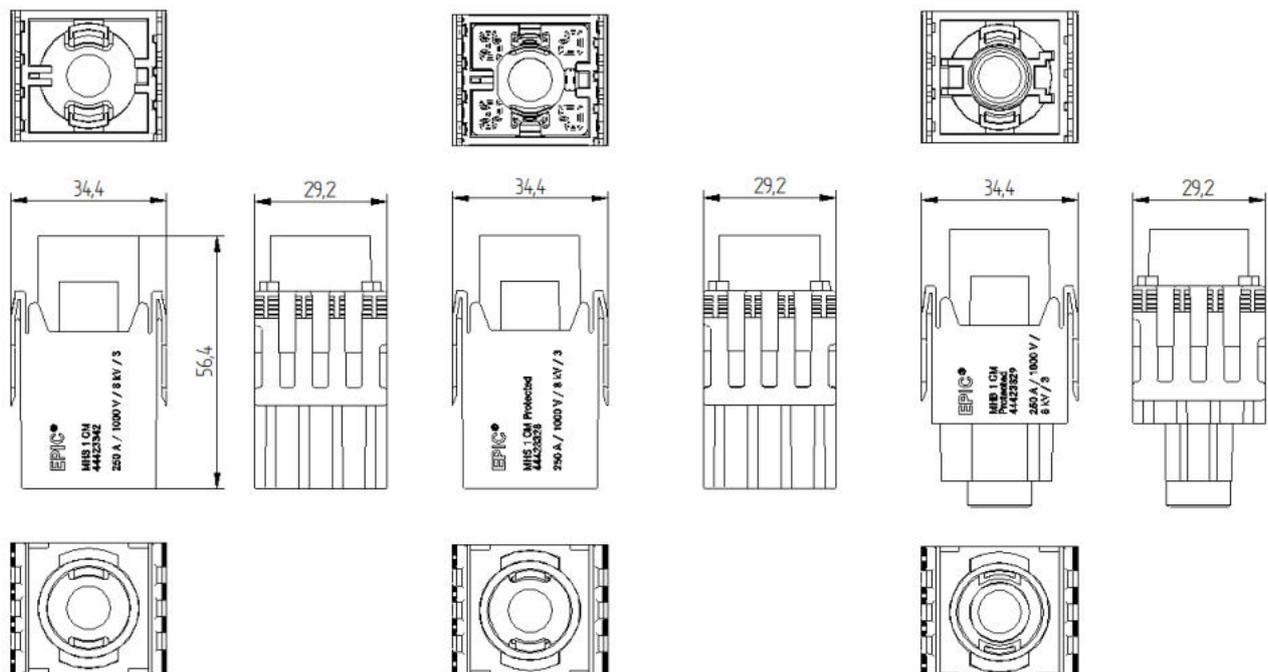
cURus approval in preparation

Drawings

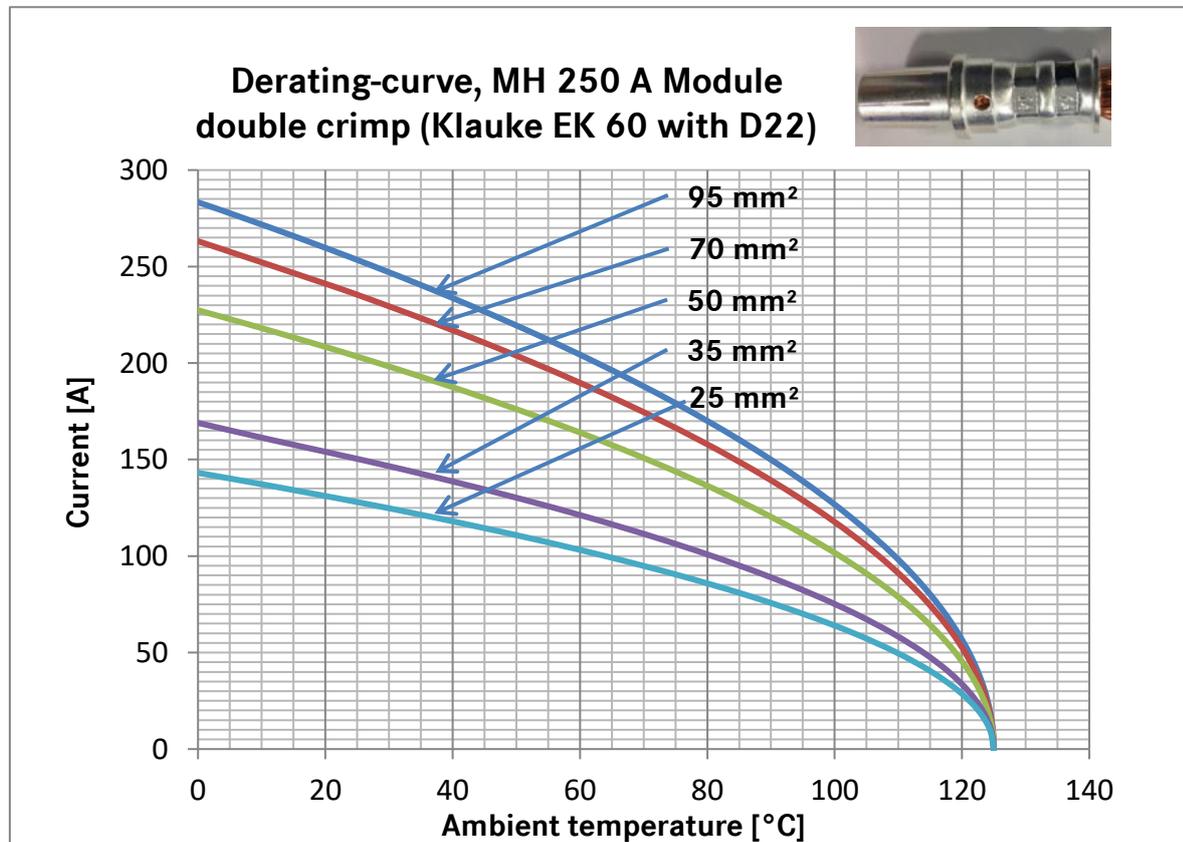
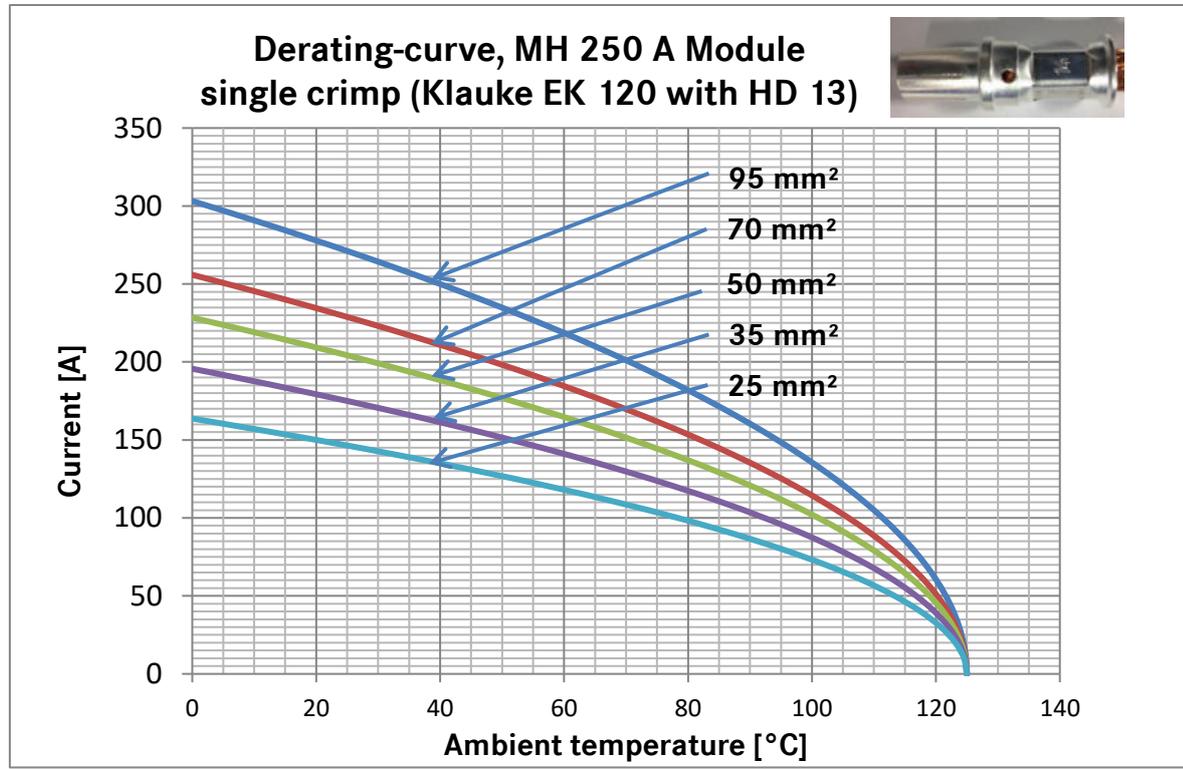
Male insulation body unprotected

Male insulation body protected

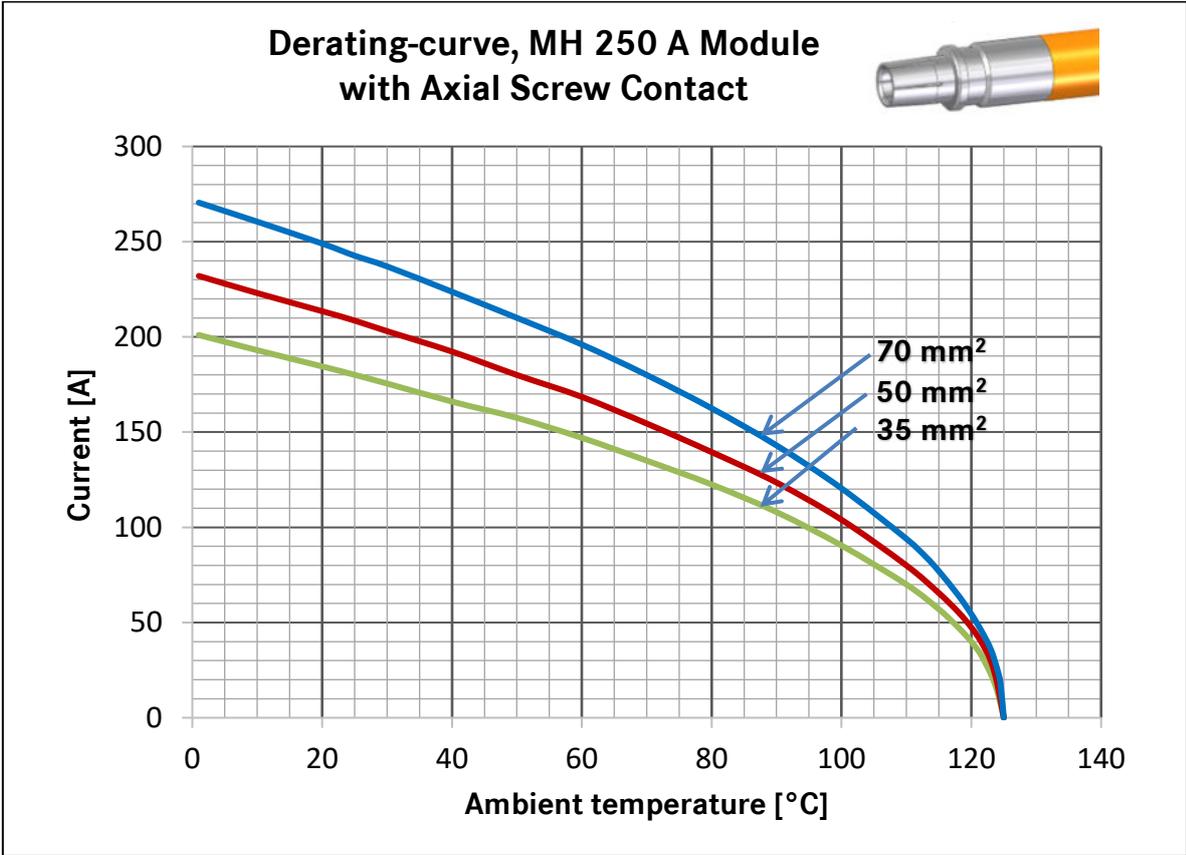
Female insulation body protected



Derating curves



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Note

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

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