

Changelog of new features and bug fixes of AMG ELM

AMG ELM-1F (2080420000)
 AMG ELM-2F (2080480000)
 AMG ELM-4F (2080490000)
 AMG ELM-6F (2080500000)
 AMG ELM-8F (2080600000)
 AMG ELM-10F (2080650000)

Hardware Version Number (HVN) 1.1.4 Release date: September 2022

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.3 Release date: December 2021

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.2 Release date: March 2021

- Add new profilename

Hardware Version Number (HVN) 1.1.1 Release date: July 2018

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.0 Release date: January 2017

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0 Release date: August 2016

- Improved Short-Circuit detection and switch off to prevent destruction of the device

Hardware Version Number (HVN) without Identifier released Release date: Mai 2016

- First released version

AMG ELM-6 (2080360000)
 AMG ELM-12 (2080410000)

Hardware Version Number (HVN) 1.1.7 Release date: August 2023

- Bug fix: Fixed problem with random tripping or switching off in case of slowly decreasing input voltage

Hardware Version Number (HVN) 1.1.6 Release date: February 2023

- Bug fix: Fixed problem with 8A slow tripping curve in the AMG ELM-12 that could not trip

Hardware Version Number (HVN) 1.1.5 Release date: September 2022

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.4 Release date: December 2021

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.3 Release date: November 2021

- Implemented new microcontroller
- Pre warning changed from 80% to 90%
- Input out of range changed from >32V to >31,2V

Hardware Version Number (HVN) 1.1.2 Release date: April 2021

- Bug fix: The load monitor can trip with only resistive load
- Improved power-up behaviour for capacitive load

Hardware Version Number (HVN) 1.1.1 Release date: July 2018

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.0 Release date: January 2017

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0**Release date: August 2016**

- Improved Short-Circuit detection and switch off to prevent destruction of the device

Hardware Version Number (HVN) without Identifier released**Release date: Mai 2016**

- First released version

AMG ELM-18 (2859800000)**Hardware Version Number (HVN) 1.0.6****Release date: August 2023**

- Bug fix: Fixed problem with random tripping or switching off in case of slowly decreasing input voltage

Hardware Version Number (HVN) 1.0.5**Release date: February 2023**

- No changes

Hardware Version Number (HVN) 1.0.4**Release date: September 2022**

- First released Version

AMG ELM-1F CL2 (2491270000)**AMG ELM-2F CL2 (2491280000)****AMG ELM-4F CL2 (2491290000)****Hardware Version Number (HVN) 1.1.6****Release date: February 2023**

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.5**Release date: December 2021**

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.4**Release date: July 2018**

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.1**Release date: July 2017**

- Improve timing of Tripping Current
- Changed tripping current from 4,4A to 4A (UL1310 requirement <100W)

Hardware Version Number (HVN) 1.1.0**Release date: January 2017**

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0**Release date: September 2016**

- First released version

AMG ELM-1F EX (2082040000)**AMG ELM-2F EX (2082050000)****AMG ELM-4F EX (2082060000)****AMG ELM-6F EX (2082310000)****AMG ELM-8F EX (2082320000)****AMG ELM-10F EX (2082430000)****Hardware Version Number (HVN) 1.1.4****Release date: September 2022**

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.3**Release date: December 2021**

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.2**Release date: March 2021**

- Add new profiletype

Hardware Version Number (HVN) 1.1.1**Release date: July 2018**

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.0 **Release date: January 2017**

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0 **Release date: August 2016**

- Improved Short-Circuit detection and switch off to prevent destruction of the device

Hardware Version Number (HVN) without Identifier released **Release date: Mai 2016**

- First released version

AMG ELM-6 EX (2082000000)
AMG ELM-12 EX (2082010000)

Hardware Version Number (HVN) 1.1.7 **Release date: August 2023**

- Bug fix: Fixed problem with random tripping or switching off in case of slowly decreasing input voltage

Hardware Version Number (HVN) 1.1.6 **Release date: February 2023**

- Bug fix: Fixed problem with 8A slow tripping curve in the AMG ELM-12 that could not trip

Hardware Version Number (HVN) 1.1.5 **Release date: September 2022**

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.4 **Release date: December 2021**

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.3 **Release date: November 2021**

- Implemented new microcontroller
- Pre warning changed from 80% to 90%
- Input out of range changed from >32V to >31,2V

Hardware Version Number (HVN) 1.1.2 **Release date: April 2021**

- Improved power-up behaviour for capacitive load
- Bug fix: The load monitor can trip with only resistive load

Hardware Version Number (HVN) 1.1.1 **Release date: July 2018**

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.0 **Release date: January 2017**

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0 **Release date: August 2016**

- Improved Short-Circuit detection and switch off to prevent destruction of the device

Hardware Version Number (HVN) without Identifier released **Release date: Mai 2016**

- First released version

AMG ELM-18 EX (2838520000)

Hardware Version Number (HVN) 1.0.6 **Release date: August 2023**

- Bug fix: Fixed problem with random tripping or switching off in case of slowly decreasing input voltage

Hardware Version Number (HVN) 1.0.5 **Release date: February 2023**

- No changes

Hardware Version Number (HVN) 1.0.3 **Release date: September 2022**

- First released Version

AMG ELM-6D CO (2082440000)
AMG ELM-10D CO (2082470000)

Hardware Version Number (HVN) 1.1.7 **Release date: August 2023**

- Bug fix: Fixed problem with random tripping or switching off in case of slowly decreasing input voltage

Hardware Version Number (HVN) 1.1.6 **Release date: February 2023**

- Bug fix: Fixed problem with 8A slow tripping curve in the AMG ELM-12 that could not trip

Hardware Version Number (HVN) 1.1.5 **Release date: September 2022**

- Bug fix: The load monitor could be switched on when the input voltage was <18V
- Bug fix: Solved incorrect tripping for loads <0,5A by an input voltage range of 18V-18,5V

Hardware Version Number (HVN) 1.1.4 **Release date: December 2021**

- Add Approval: UKCA

Hardware Version Number (HVN) 1.1.3 **Release date: November 2021**

- Implemented new microcontroller
- Pre warning changed from 80% to 90%
- Input out of range changed from >32V to >31,2V

Hardware Version Number (HVN) 1.1.2 **Release date: April 2021**

- Improved power-up behaviour for capacitive load
- Bug fix: The load monitor can trip with only resistive load

Hardware Version Number (HVN) 1.1.1 **Release date: July 2018**

- Enable Reverse Current Switch off protection
- Bug fix: Reset initiated via the FIM-C or CM enabled the output but not the LED

Hardware Version Number (HVN) 1.1.0 **Release date: January 2017**

- Disable wirebreak detection (usage AMG ELM with FIM-0)

Hardware Version Number (HVN) 1.0.0 **Release date: August 2016**

- Improved Short-Circuit detection and switch off to prevent destruction of the device

Hardware Version Number (HVN) without Identifier released **Release date: Mai 2016**

- First released version

AMG ELM-1LIM CL2 EX (2838530000)

Hardware Version Number (HVN) 1.0.1 **Release date: August 2023**

- First released Version