

Würth Elektronik ICS GmbH & Co. KG

Intelligent Power & Control Systems

Gewerbepark Waldzimmern · Würthstraße 1 · 74676 Niedernhall · Germany

Phone: +49 7940 9810-0 · Fax: +49 7940 9810-1099

ics@we-online.com · www.we-online.com/ics



Central Electrical Unit

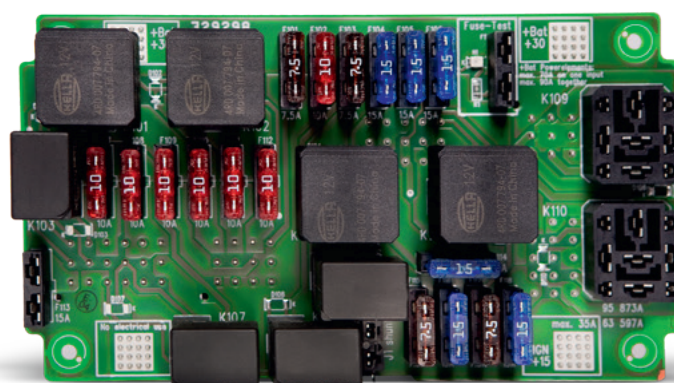
Traffic Regulation Module

Ref : 95873

REDLINE

Features

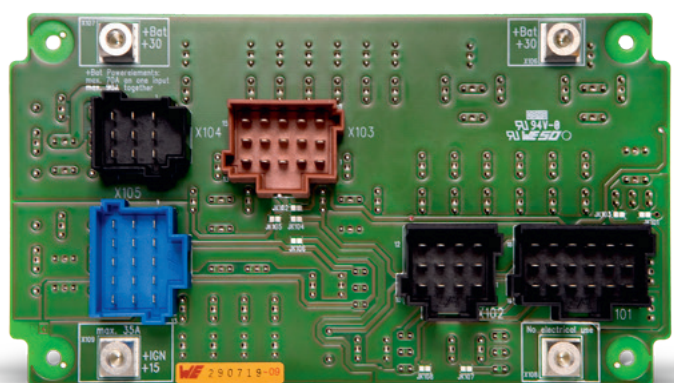
- Power supply 12 V or 24 V onto two Powerelements
+Bat (top; max. 90A) and +IGN (+APC/bottom; max. 35A)
- Relay bases for:
 - 4 Micro relays
 - 4 Mini relays
- 2-9 way relay bases for flasher unit, wiper, programmable relays, etc.
- 1 pluggable bridge for relay combinations
- 18 ATO fuseholders (up to 15 A)
- Cable harness connector on the rear side of the module (JPT/MCP compatible: 3 row connectors)
- On-board fuse tester



Front View

Options

- Fly wheel diode (SM4007) in parallel of relay coil
- Installation of fuses or circuit breakers
- Installation of standard and / or programmable ICCS relays



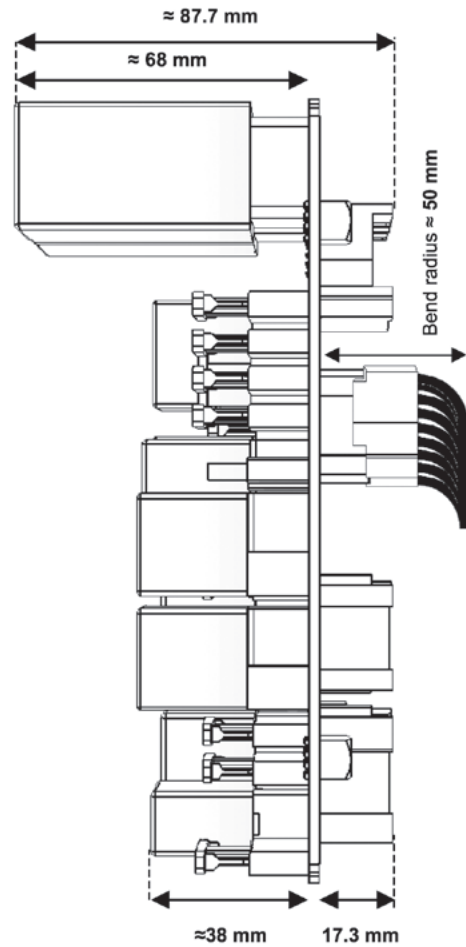
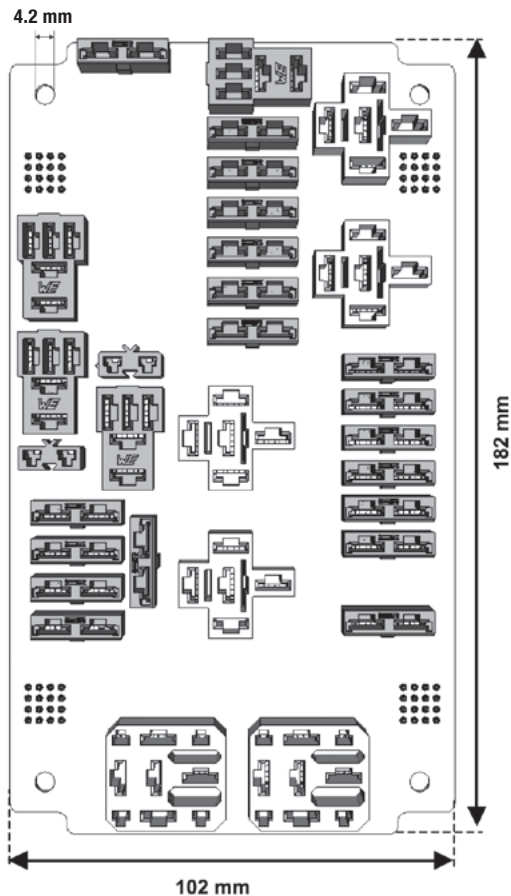
Rear View

Applications

Switching and protection of all the mandatory and common functions for off-highway and on-highway vehicles such as lighting, flasher, horn, wash/wipe, beacon, radio, clock, HVAC, accessories, etc.

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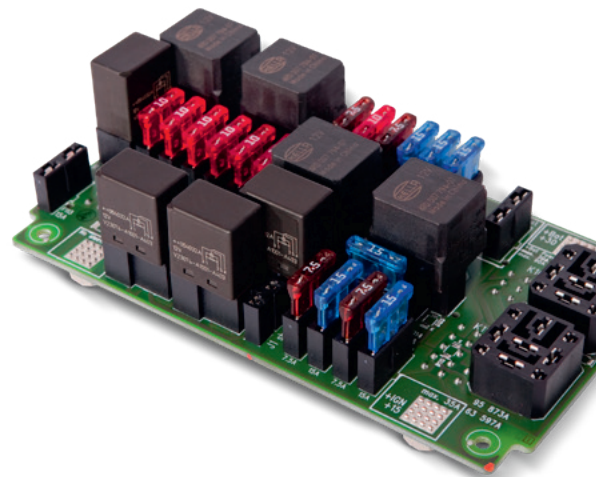
Dimensions



Approximate
component size
(depending on
components)

Technical Data

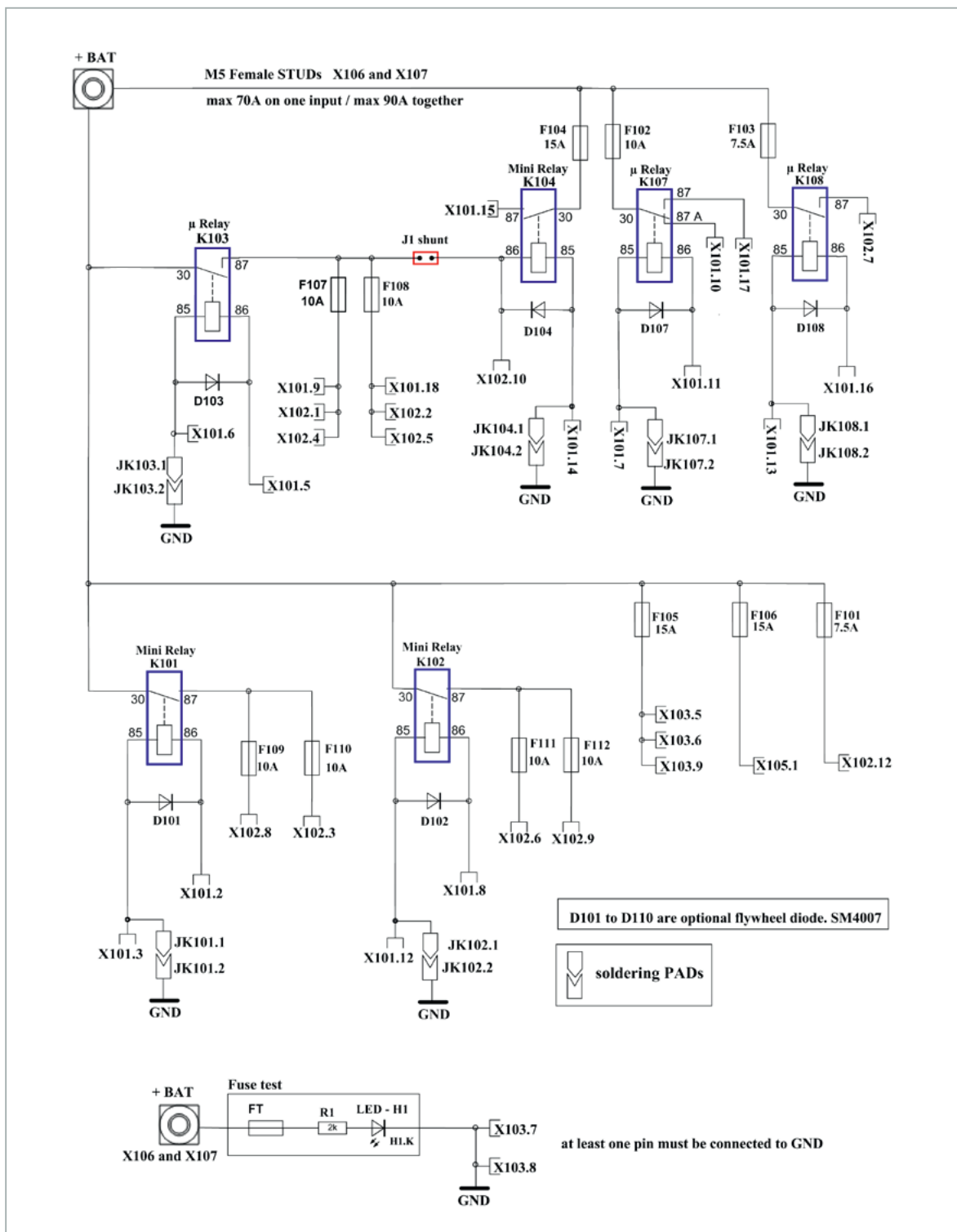
Temperature range	-40 °C to +80 °C
Max. supply current: +BAT/30 (Powerelements M5)	Input on 1 Powerelement: Max. 70 A by 80 °C ambient Input on 2 Powerelements: Max. 90 A by 80 °C ambient
Max. supply current: +IGN(+APC)/15 (Powerelement M5)	Max. 25 A by 80 °C ambient
Output connection	JPT/MCP compatible: 3 row, 3 colors coded (1-9 pins, 1-12 pins, 2-15 pins, 1-18 pins) connectors
Input connection (power stud)	Powerelement M5 female 16 pins Max. mounting torque: 2.2 Nm



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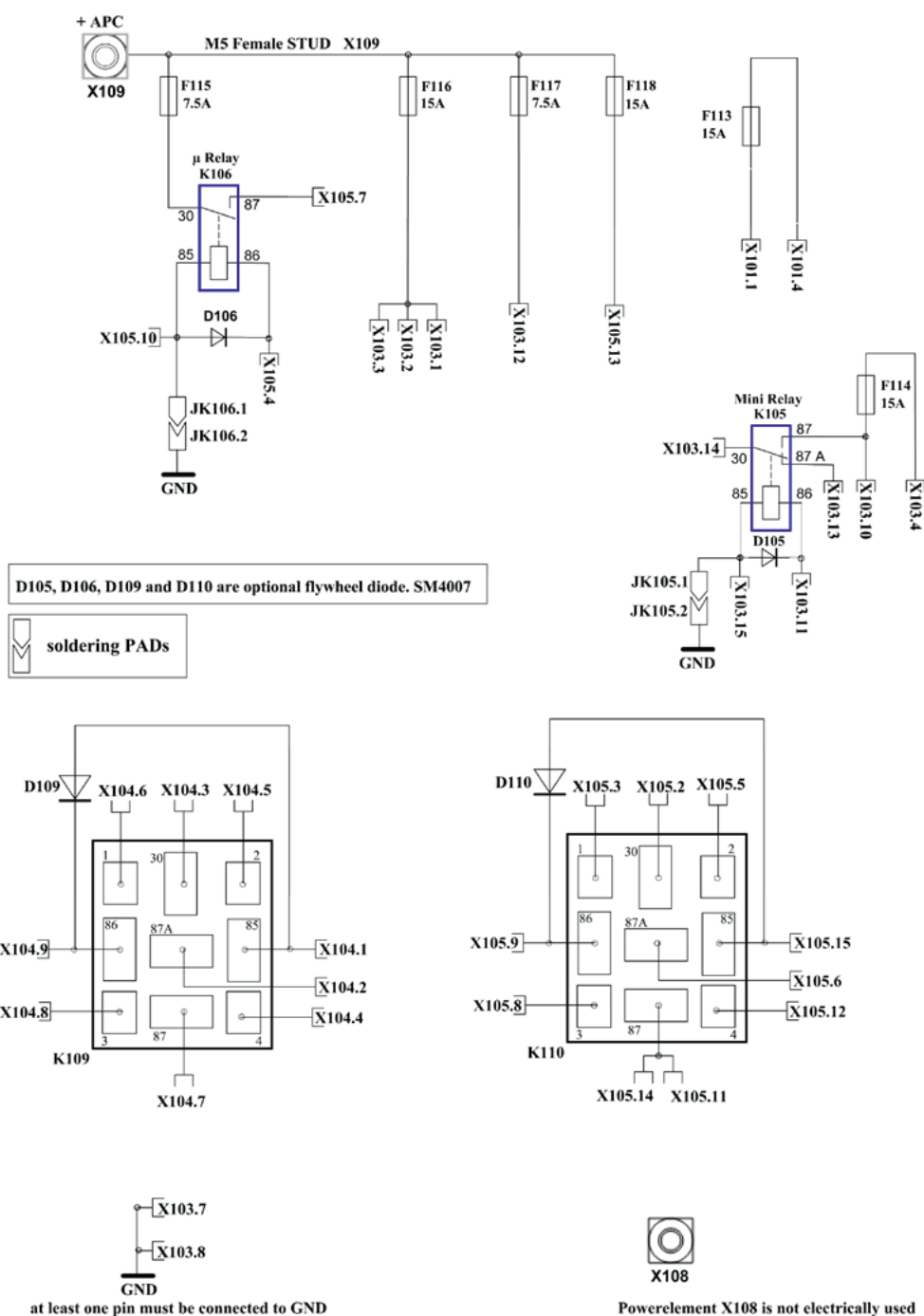
Electrical Schematic 1/2



Central Electrical Unit

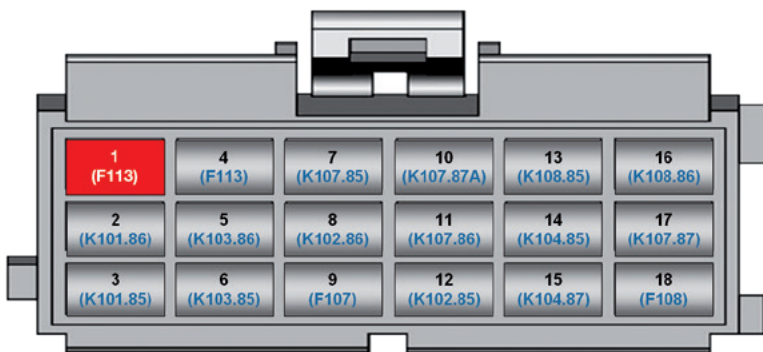
Traffic Regulation Module

Electrical Schematic 2/2

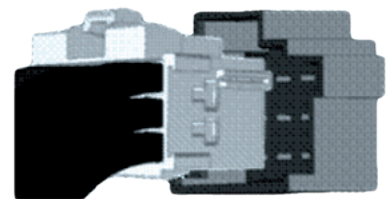


Central Electrical Unit Traffic Regulation Module

Connector: 1 JPT 18 black (X101)

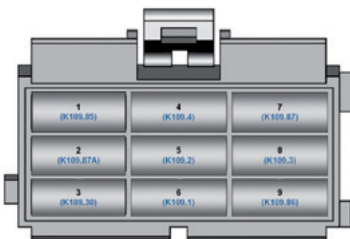


Female connector required for cable harness connection (view on cable entry)

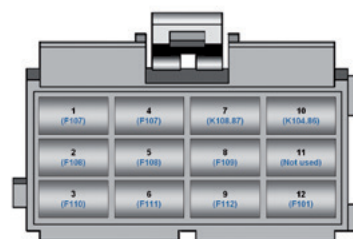


Male Plug on board

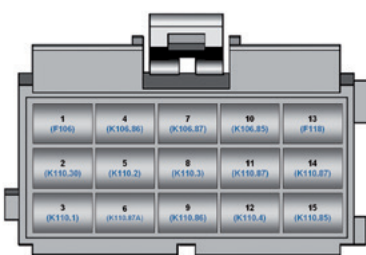
Connector: 1 JPT 9 black (X104)



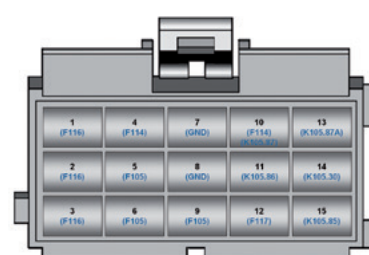
Connector: 1 JPT 12 black (X102)



Connector: 1 JPT 15 blue (X105)



Connector: 1 JPT 15 brown (X103)



Pin outs on the connector correspond to the associated component on the board.
(i.e. component F113 is connected to pin 1 from connector X101)