

Central Electrical Unit

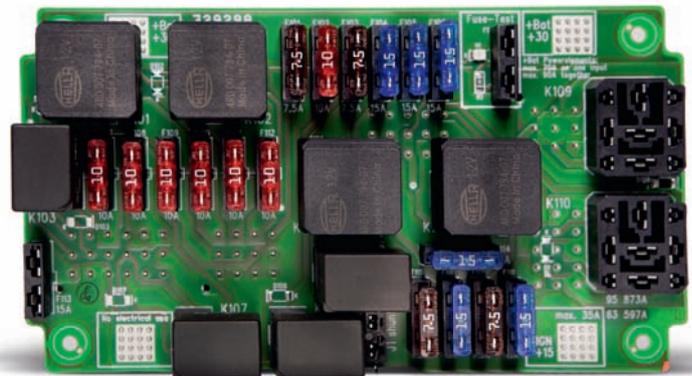
Traffic Regulation Module

Ref : 95873

REDLINE

Features

- Power supply 12V or 24V onto 2 power elements
 +Bat (top; max. 90 A) and +IGN (+APC/bottom; max. 35 A)
- Relay bases for:
 - 4 Micro relays
 - 4 Mini relays
- 2 x 9-way relay bases for flasher unit, wiper, programmable relays etc.
- 1 pluggable bridge for relay combinations
- 18 ATO fuseholders (up to 15A)
- 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
- Fuses or circuit breakers
- Frame for modular board assembly
- Standard relays



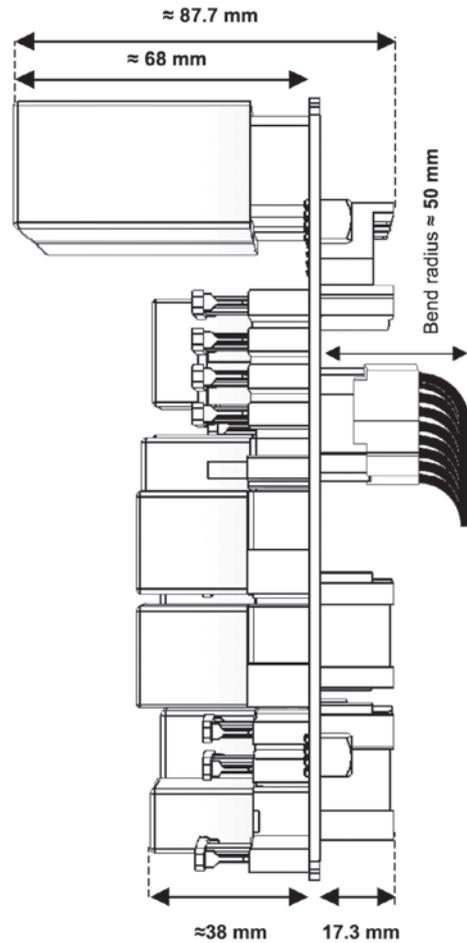
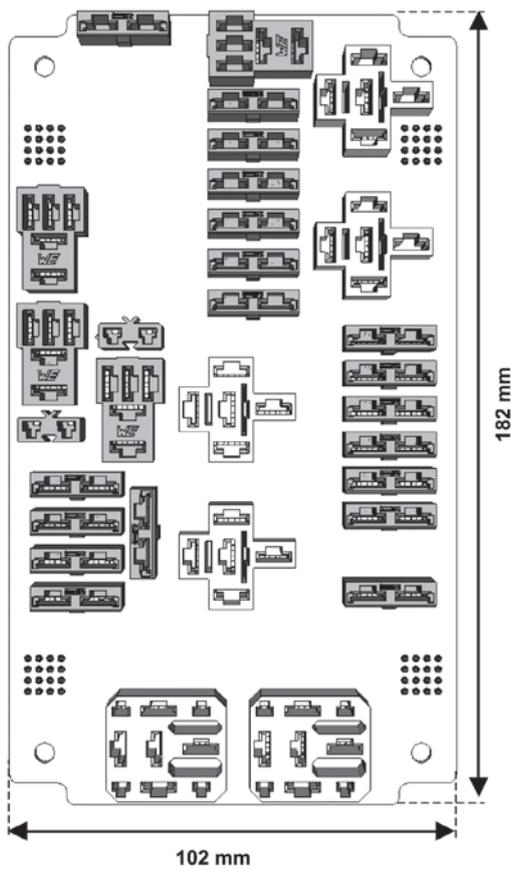
Rear View

Applications

All the mandatory and common functions for off-highway and on-highway vehicles such as lighting, flasher, horn, wash/wiper, beacon, radio, clock, HVAC, accessories etc.

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Dimensions

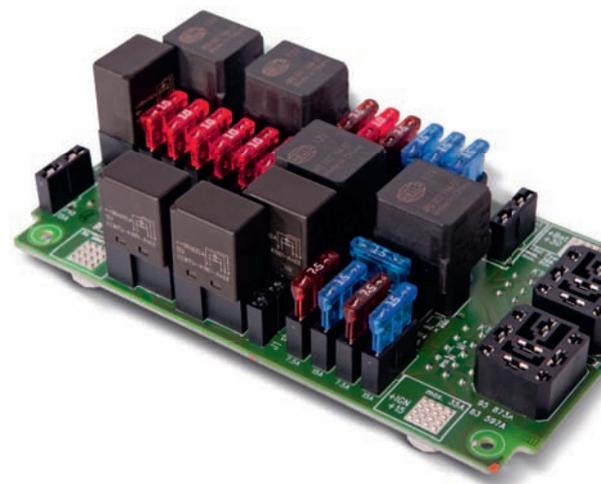


Approximate component size (depending on components)

Technical Data

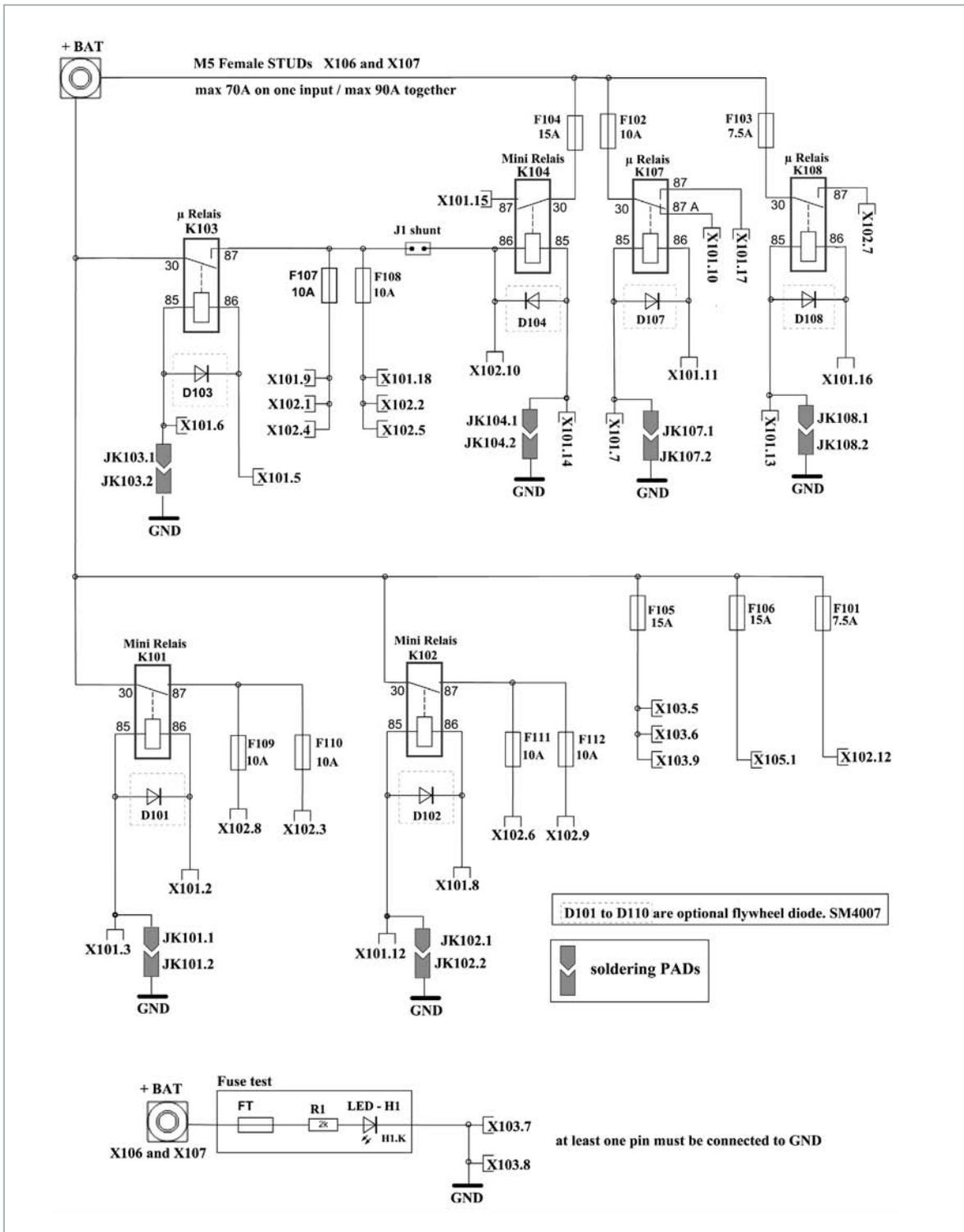
Temperature range	-40°C to +80°C
Max. supply current: +BAT/30 (Power elements M5)	Input on 1 Power element: Max. 70A by 80°C ambient Input on 2 Power elements: Max. 110A by 65°C ambient Max. 90A by 80°C ambient
Max. supply current: +IGN(+APC)/15 (Power element M5)	Max. 35A by 65°C ambient Max. 25A by 80°C ambient
Output connection	JPT/MCP compatible 3 row, 3 colors coded (1x9 pins, 1x12 pins, 2x15 pins, 1x18 pins) connectors
Input connection (power stud)	Power element M5 female 16 pins Max. mounting torque: 2,2 Nm
Recommended wire section*	Current ≤ 15A: 7,5A per mm ² Current > 15A: 5A per mm ²

* Refer to the selected cable specification



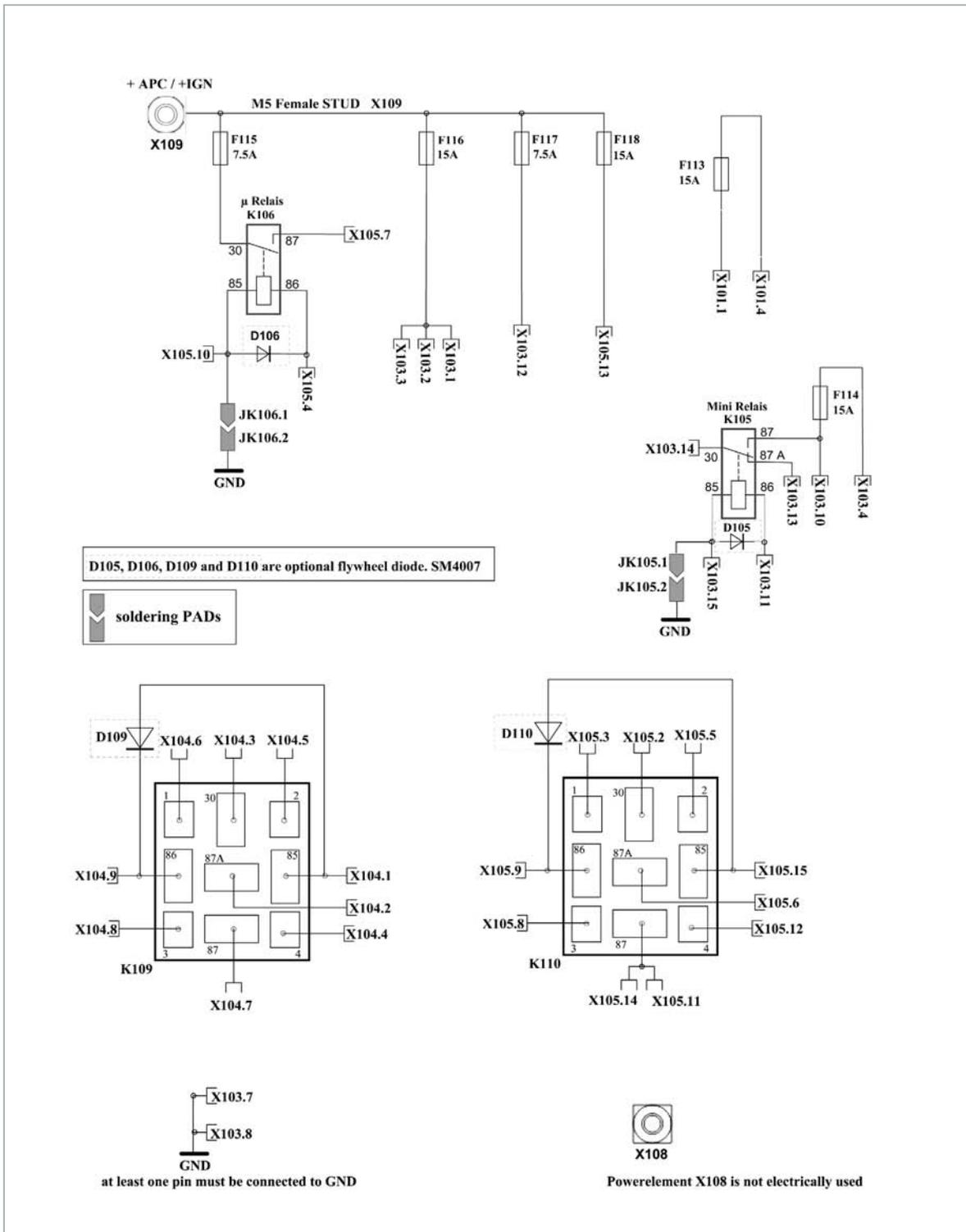
Central Electrical Unit Traffic Regulation Module

Electrical Schematic 1/2



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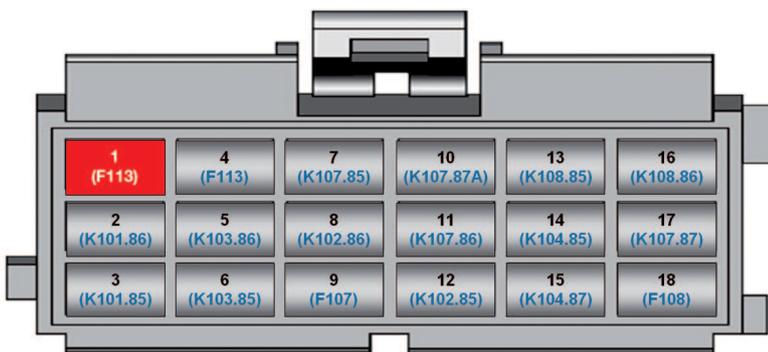
Electrical Schematic 2/2



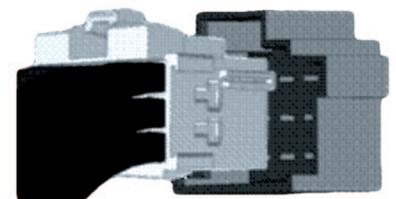
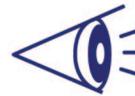


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Connector: 1 JPT 18 black (X101)

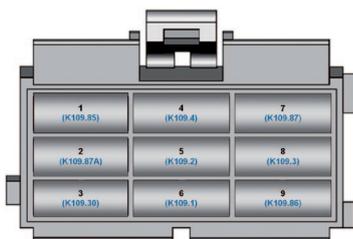


Female connector required for cable harness connection (view on cable entry)

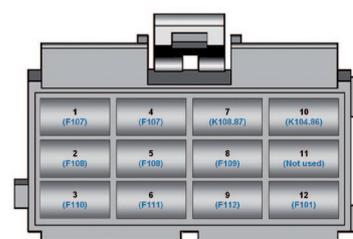


Male Plug on board

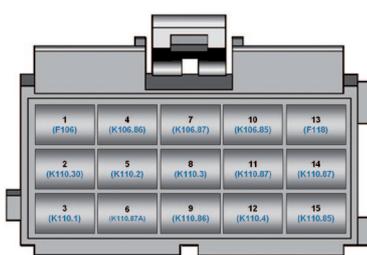
Connector: 1 JPT 9 black (X104)



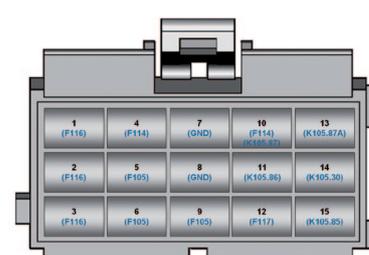
Connector: 1 JPT 12 black (X102)



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.
(e.g.: component F113 is connected to pin 1 from connector X101)