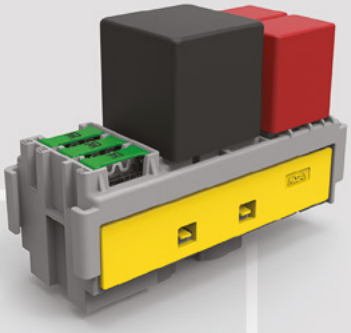
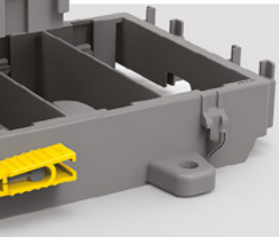
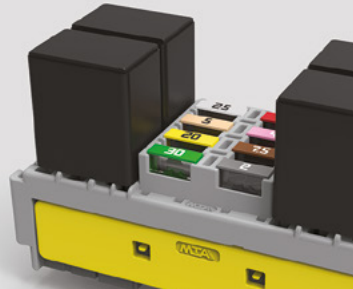
MTA
Advanced Automotive Solutions



POWER AND MODULAR SOLUTIONS

2018





POWER DISTRIBUTION UNITS

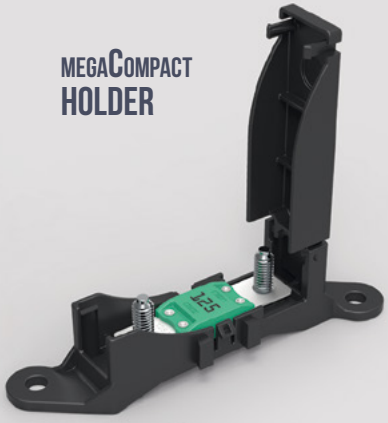
Designated for heavy duty power distribution and main electric services protection, these PDU were developed based on a modular design concept for the utmost versatility. They have been updated to deliver higher performance and respond to the new demands of these applications. They permit a simplified wiring harness layout in the engine bay to keep harnesses safe from water and dirt.

FUSE HOLDERS & MULTIPLE FUSE BLOCK

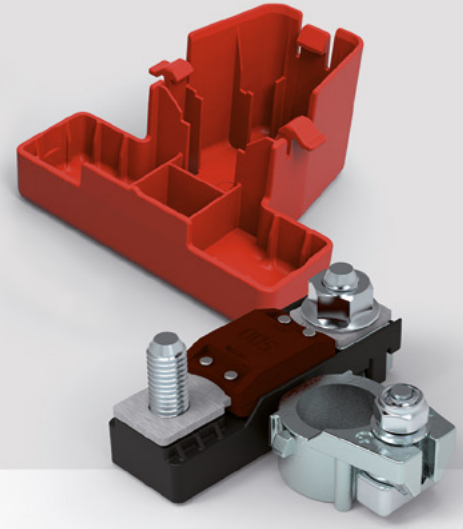
This new generation of fuse holders can be used stand-alone or can be clipped together to form a multiple fuse block with bus bar.

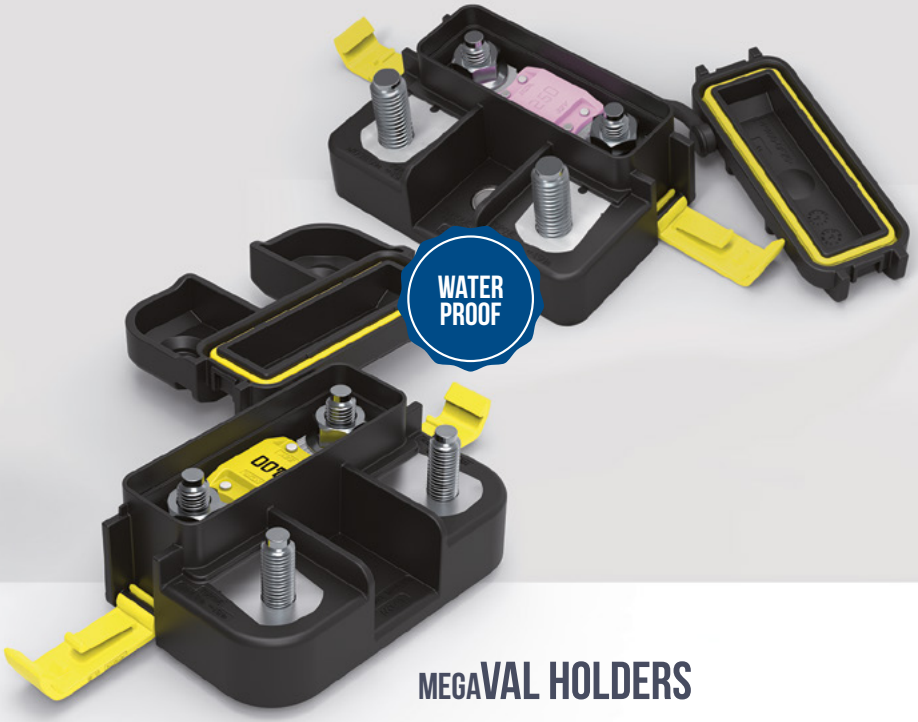
MIDIVAL HOLDER

MEGACOMPACT HOLDER



MEGAVAL HOLDER





BATTERY DISTRIBUTION UNIT

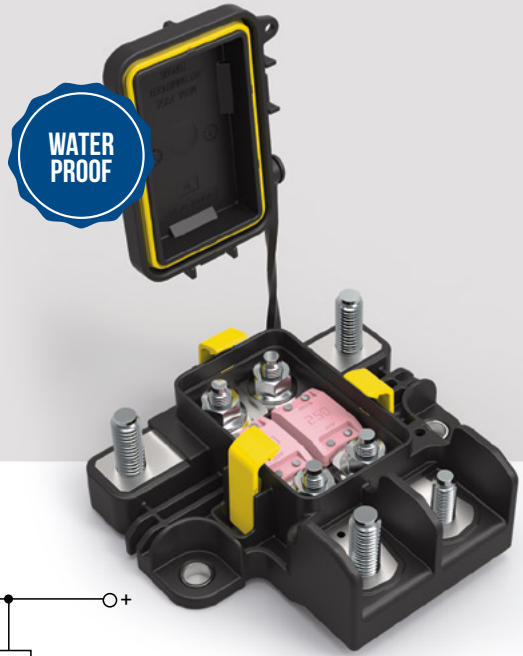
Available in 2 different versions, with casted battery terminal in Z axis, right or left side, this battery distribution unit has compact dimensions which make it versatile and easy to be placed. The cover is tethered to the body to ensure it won't be displaced. Quality certified by stringent tests and procedures. Accomodates 1 MegaVal fuse.

MEGAVAL HOLDERS

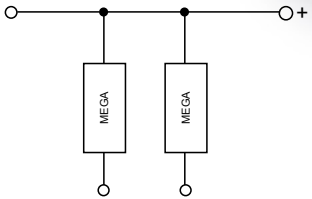
Waterproof MegaVal fuse holder featuring enhanced protection against bumping and tampering. Two versions available: one with cover with gasket to seal the fuse compartment, the other one with "extended" cover to protect the 2 stainless M10 screws too.

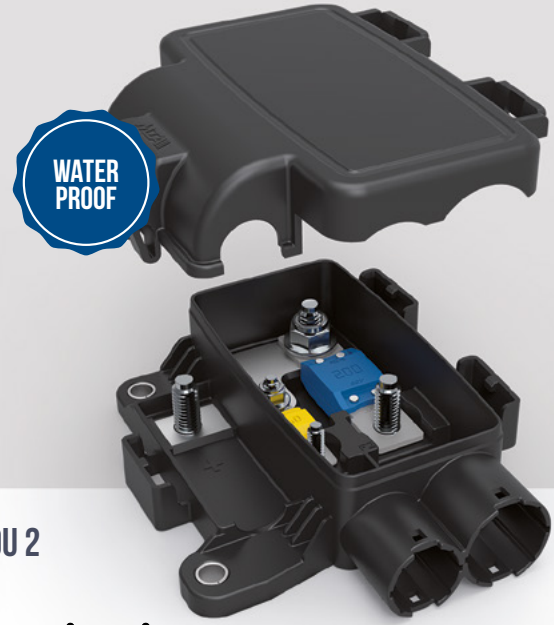
POWER DISTRIBUTION UNITS

Designed for both light vehicles and heavy-duty applications, these power distribution units can accommodate MidiVal and MegaVal fuses. Their compact shape and multiple fastening points make them versatile and easy to use.

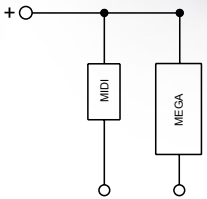


PDU 2M



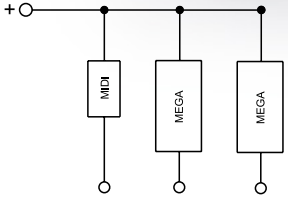


PDU 2

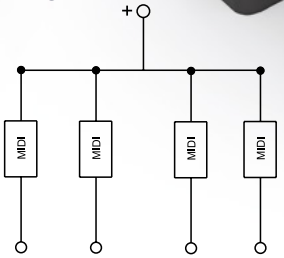


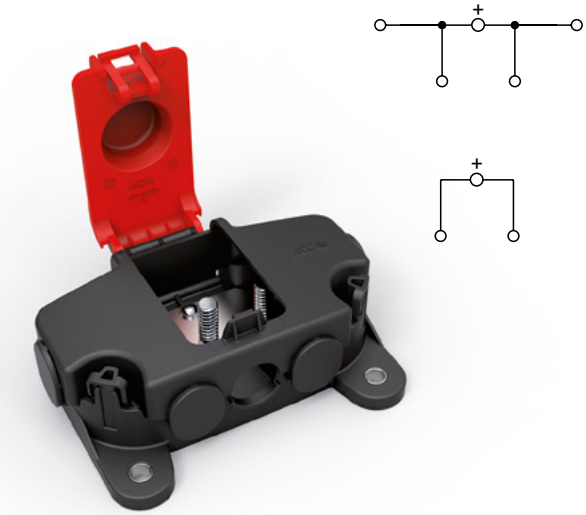
WATER PROOF

PDU 3



PDU 4





JUMP START NODE

This product provides a solution for rational safe multi-way electric power distribution. It also features an optional threaded middle pin which serves as a safe power connection to start up and/or charge external electric devices such as batteries or other equipment. This component has a special design that allows it to be adapted to each application.

MEC 25 & MEC 97

These configurable power distribution units have been developed mainly for agriculture, construction, heavy duty and off-road applications.

MAIN FEATURES

- Press-fit technology.
- A Gore-Tex vent provides a barrier against water and dust and allows the free circulation of air, avoiding the formation of moisture.
- MEC can be fixed in flat, inclined or vertical position.
- Appropriate latches preload the cover against the seal and close the MEC.
- The cover is tethered to the body to ensure it won't be displaced.
- Anti-vibration system integrated inside the fixing points.

CUSTOMIZATION LEVELS

There are 4 customization levels Soft, Medium, Medium^{+} and High, where:

✓ means "customizable component",
– means "default component".

	Soft	Medium	Medium^{+}	High
Fuses and relays	✓	✓	✓	✓
Type and number of contents (mask)	–	–	✓	✓
PCB	–	✓	✓	✓
External connections (studs and connectors)	–	–	–	✓

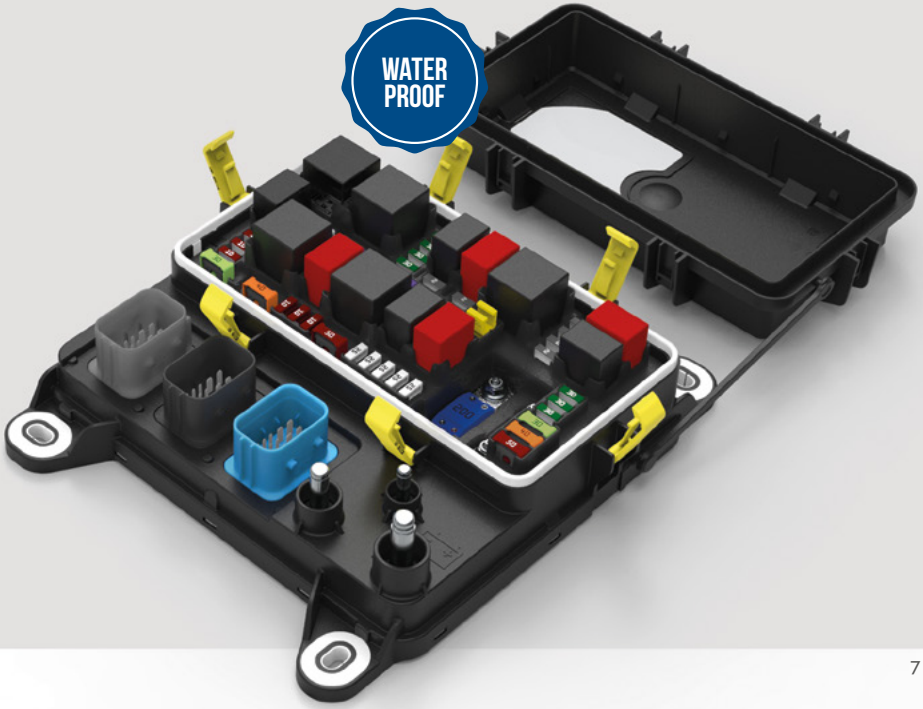
MEC 25

Accepts 6 MiniVal, 3 MidiVal,
and 7 MaxiCompact (+2 spare).

MEC 97

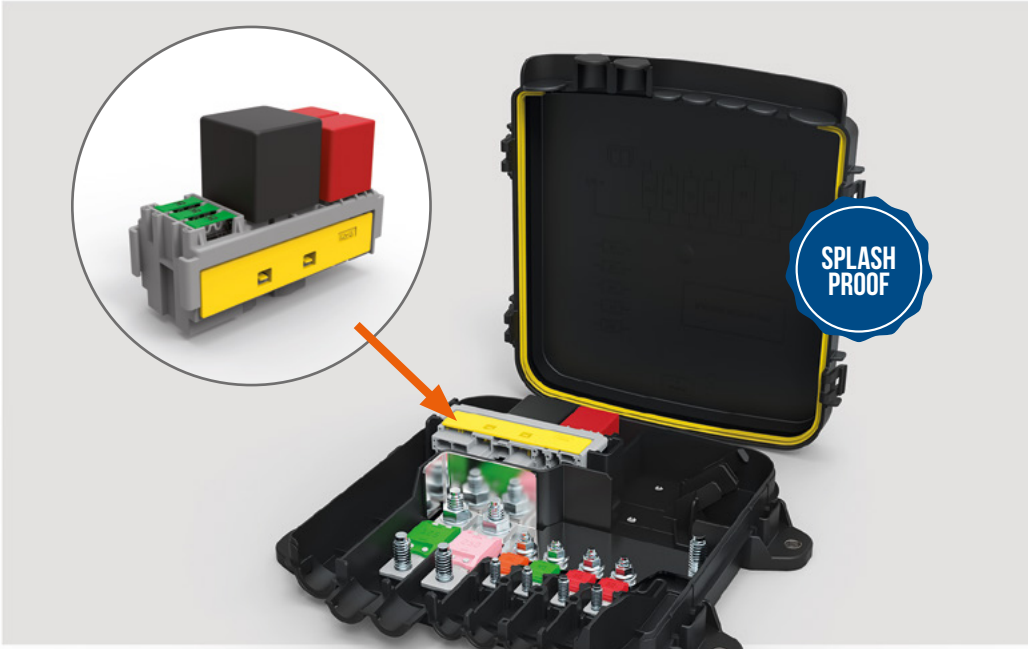
Accepts 3 MaxiCompact (+3 spare), 34 MiniVal (+3 spare),
1 MegaCompact, 1 MidiVal, 8 Micro relays, 5 Maxi relays.

Optional module to convert CAN bus messages
into digital outputs.

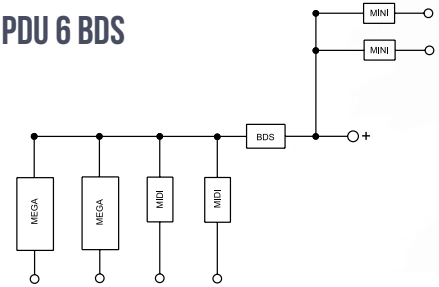


CONFIGURABLE PDUs

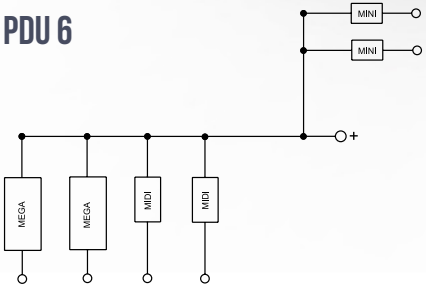
These PDUs offer a high level of flexibility:
They can house electronic BDS and different combinations of bussed MidiVal and MegaVal fuses (up to 4 MidiVal and 2 MegaVal). They can also accommodate 5 MiniVal fuses or any fuse and relay holder module in the MTA range.
A seal mounted in the cover assures protection from dust and water.



PDU 6 BDS



PDU 6



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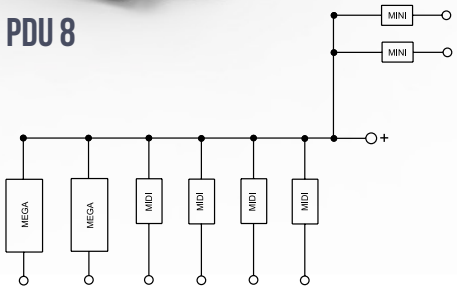
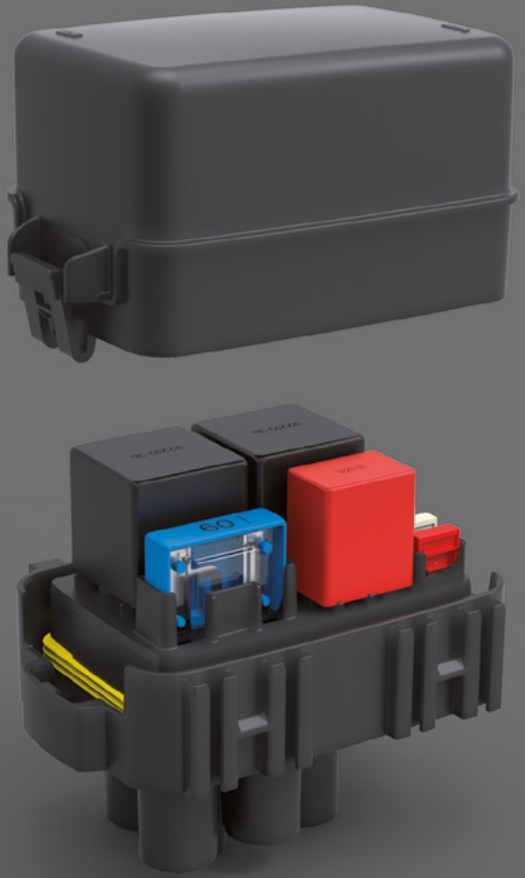
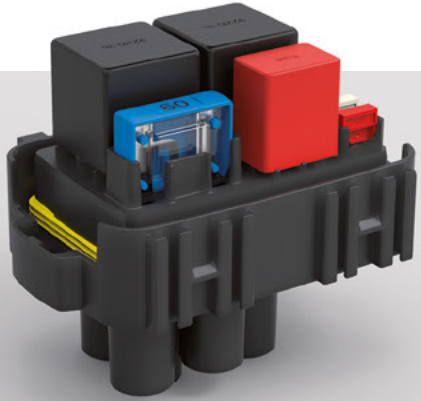




WATERPROOF MODULES

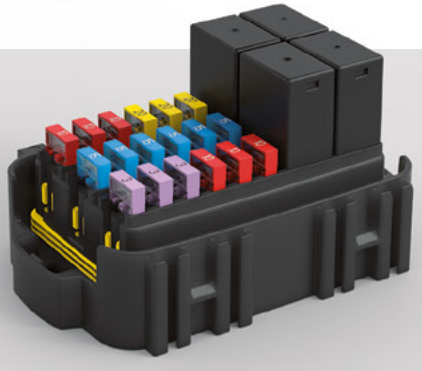
Vehicles operating around water and mud need advanced environmental protection. Our range of watertight modules has been developed to satisfy this need. All terminals are equipped with a grommet, and a radial silicone seal housed between the module and its cover keeps the modules secured tightly. Modularity is the core philosophy behind these products: all modules can be combined one another via the 4 mounting points, and they can all accommodate fuses, relays, or both.

MODULE 0301491



CONTENTS
6 MiniVal fuses
1 MaxiVal fuse
2 Maxi relay
1 Micro relays

MODULE 0301370



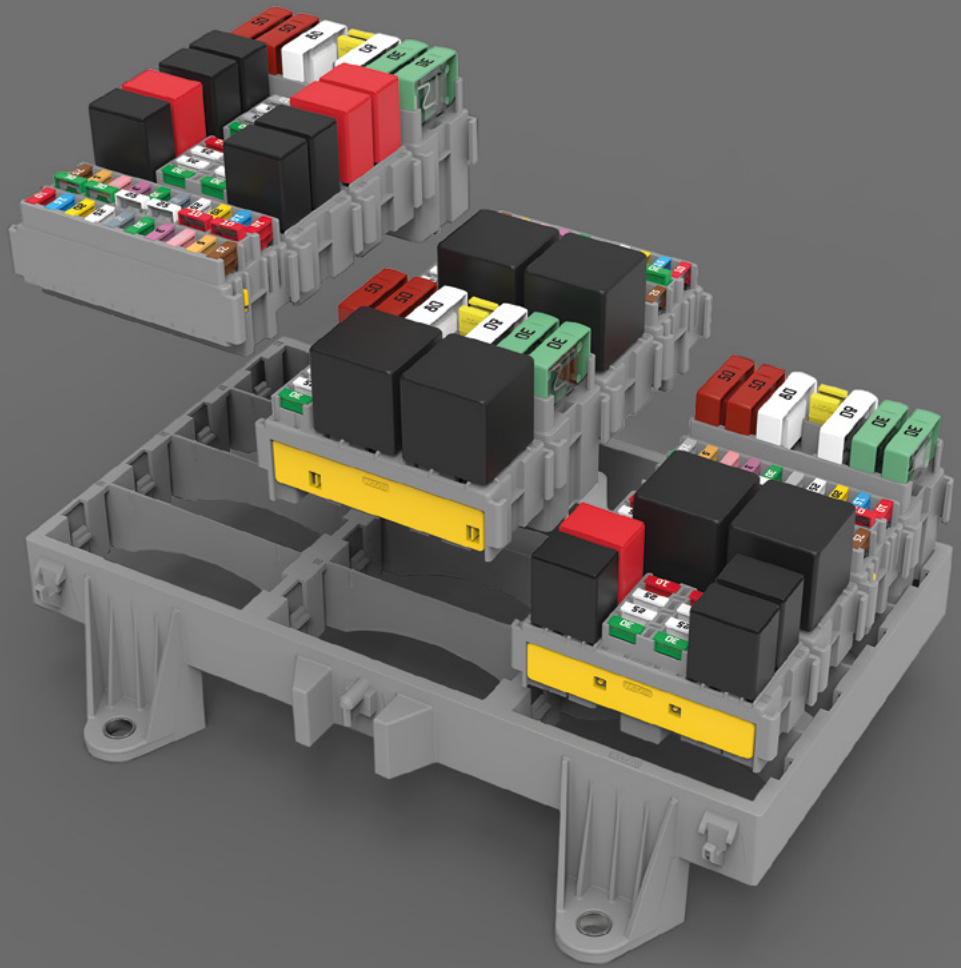
CONTENTS
30 MiniVal fuses or
10 Micro 280 relays
Mixed relays and MiniVal fuses

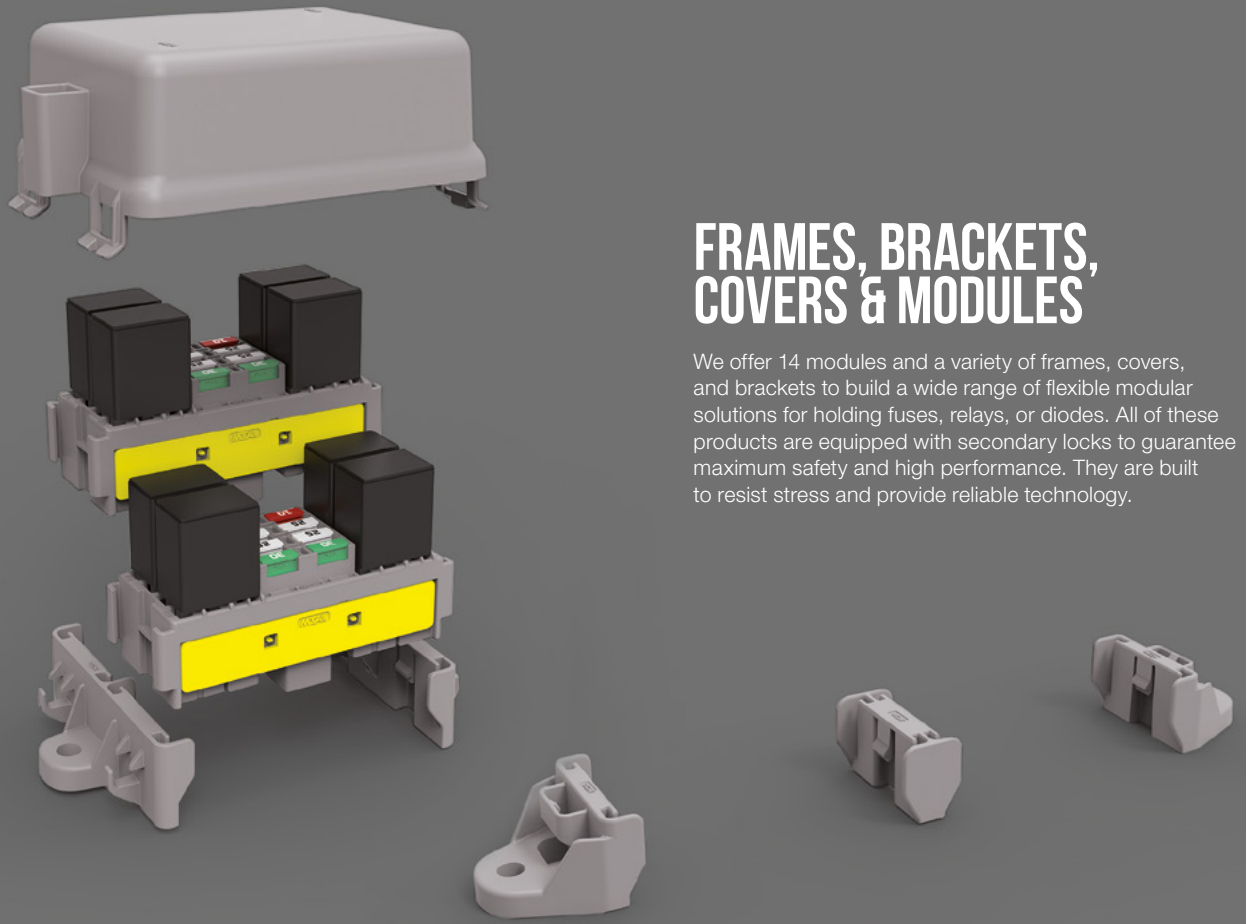
MODULE 0301569

CONTENTS
6 MiniVal fuses
1 MaxiVal fuse
1 Mini relay
3 Micro relays

MODULE 0301568

CONTENTS
18 MiniVal fuses
4 Micro relays



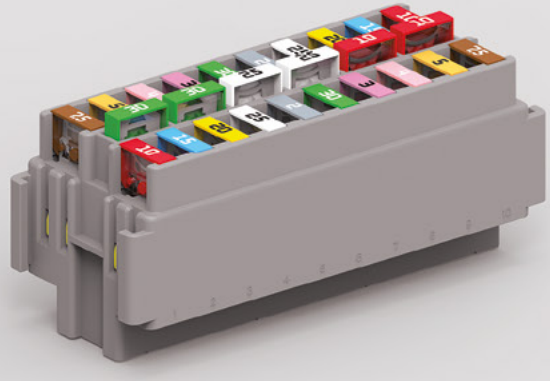


FRAMES, BRACKETS, COVERS & MODULES

We offer 14 modules and a variety of frames, covers, and brackets to build a wide range of flexible modular solutions for holding fuses, relays, or diodes. All of these products are equipped with secondary locks to guarantee maximum safety and high performance. They are built to resist stress and provide reliable technology.

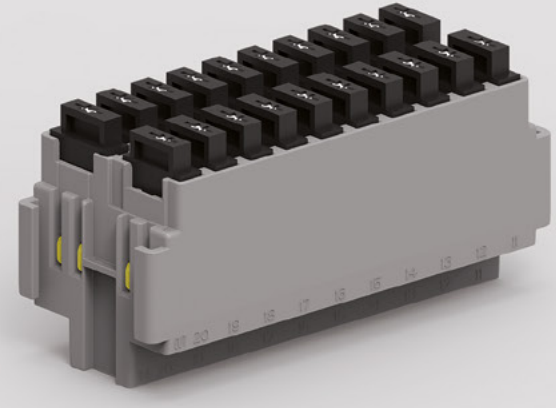
MODULE 0301460

CONTENTS
20 MiniVal fuses



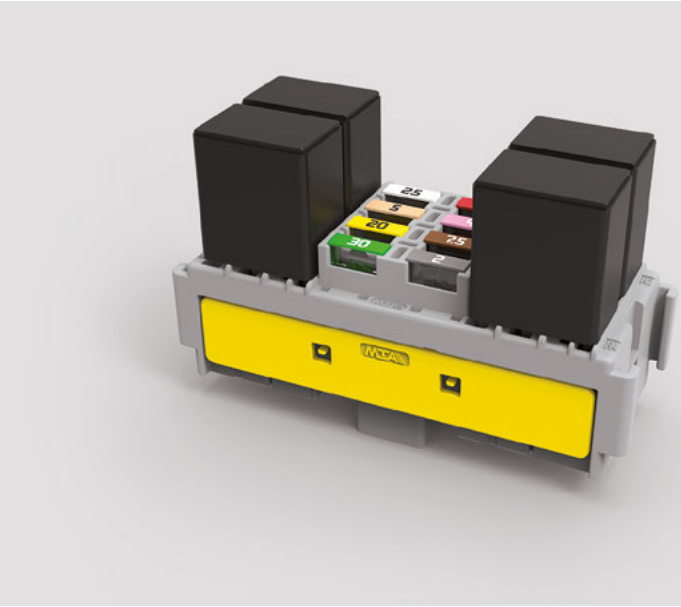
MODULE 0301640

CONTENTS
20 diodes / MiniVal fuses



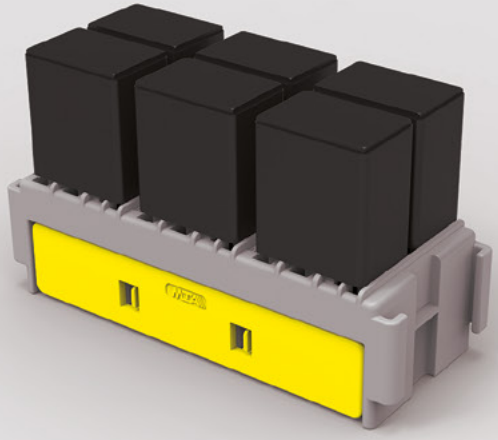
MODULE 0301564

CONTENTS
8 MiniVal fuses
4 Micro relays



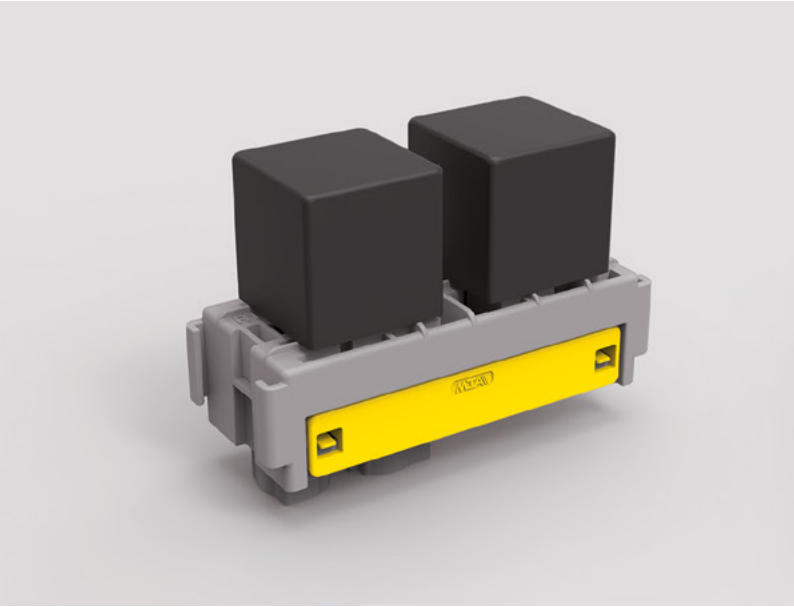
MODULE 0301484

CONTENTS
6 Micro relays



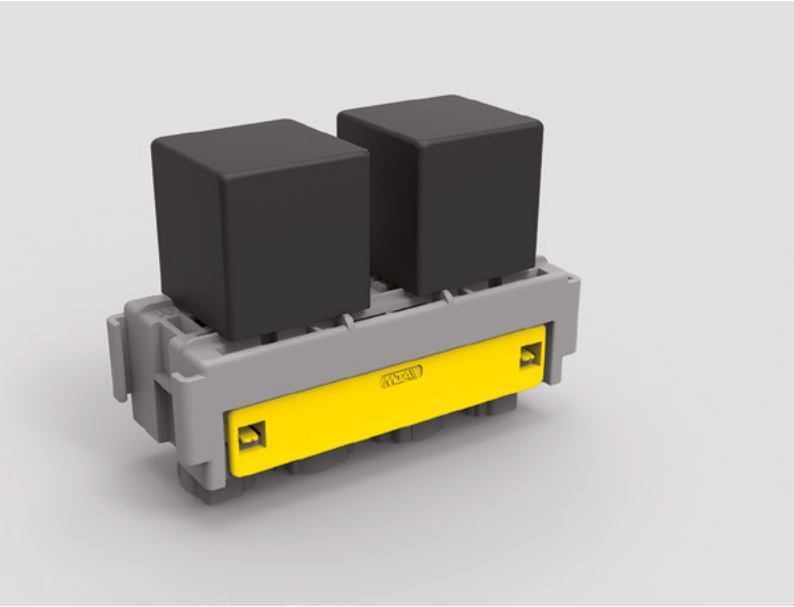
MODULE 0301494

CONTENTS
1 Maxi relay
1 Mini relay



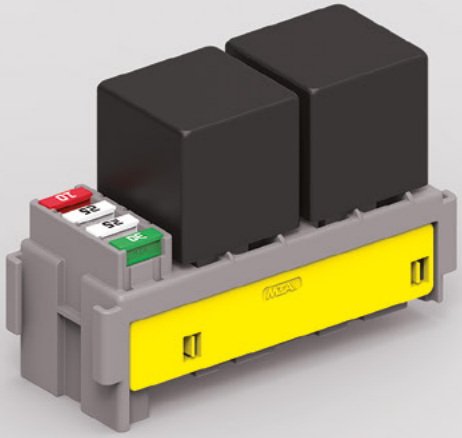
MODULE 0301660

CONTENTS
2 Maxi relays



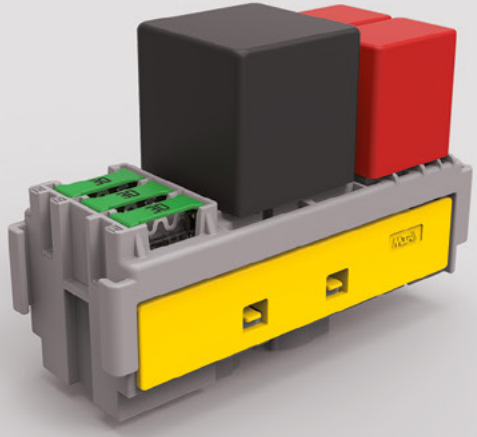
MODULE 0301504

CONTENTS
4 MiniVal fuses
2 Mini relays



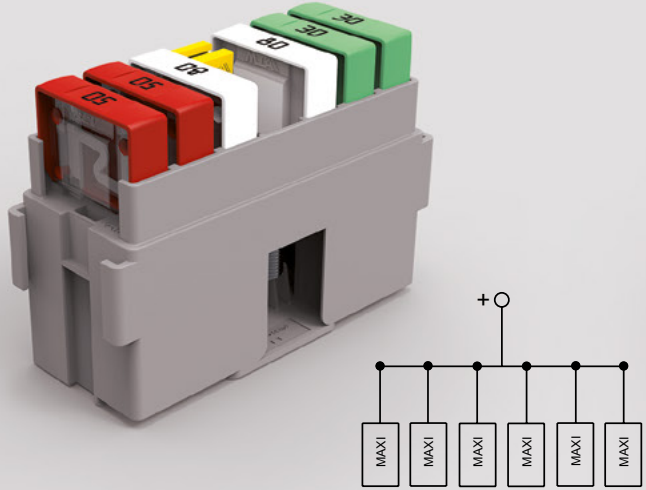
MODULE 0301695

CONTENTS
3 MaxiCompact fuses
1 Maxi relay
2 Micro relays



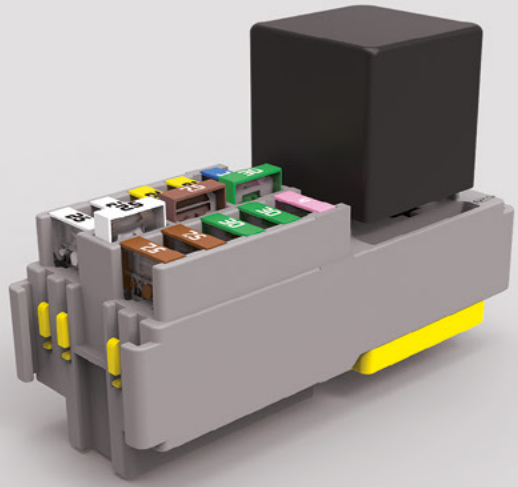
MODULE 0301470

CONTENTS
6 MaxiVal fuses



MODULE 0301510

CONTENTS
10 MiniVal fuses
1 Maxi relay



MODULE 0301600

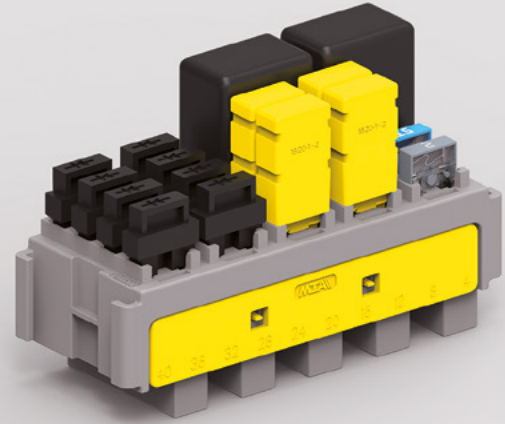
CONTENTS
3 MaxiVal fuses
6 UniVal fuses

MODULE 0301690

CONTENTS
4 MiniVal fuses
6 type A1 S fuses

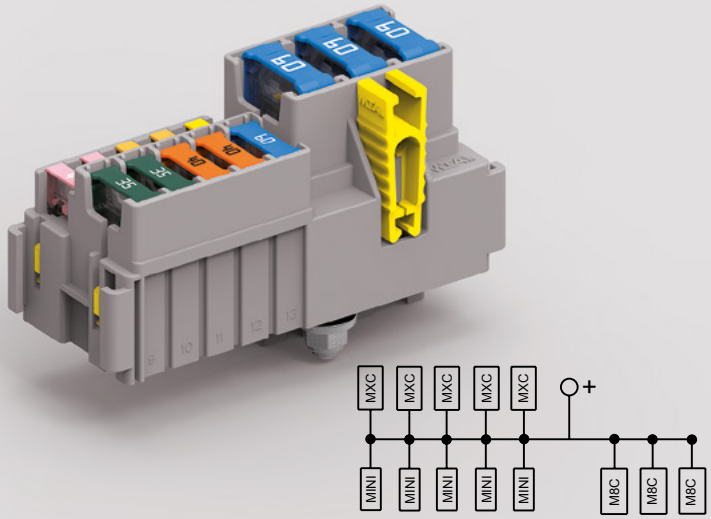
MODULE 0301698

CONTENTS
20 MiniVal fuses
20 circuit brakers
20 diodes
6 Micro 280 relays
Mixed MiniVal fuses, diodes, circuit brakers



MODULE 0301697

CONTENTS
5 MiniVal fuses
5 MaxiCompact fuses
3 M8Compact fuses



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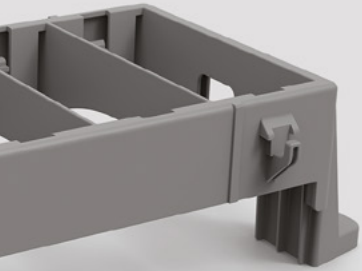

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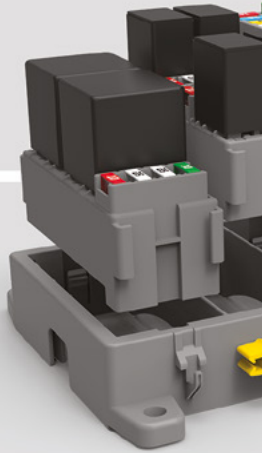

POWER & MODULAR SOLUTIONS
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October 2018

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