

COMPACT



Terminal boxes and cable harnesses are reaching their limits. Just some of the issues include:

- Numerous variations
- Heavy cable harnesses
- Difficult to install
- Lack of potted components creates sealing problems
- Difficult and time consuming troubleshooting
- Terminal boxes that take up a lot of space



Decentralized installation solutions for mobile machines

“Shrink” wire harnesses and terminal boxes with our automation solutions for mobile machines.

The mobile industry is still in its infancy when it comes to the idea of efficient installation technology. Cable harnesses and terminal boxes are still considered state of the art in many applications. As technology develops and machine variety increases, the reality of a “cable harness” reaches its limits.

Quick, easy, and smart!

- Kit components are designed to work with each other.
- Adaptable to application requirements.
- Easy to install, thanks to pre-assembled connection cables. Can be used with field-wired connections if needed.
- Reinforced plastic housing protects against aggressive media (diesel, hydraulic oil, cleaning agents etc.) .
- Compact size = space savings.



With Murrelektronik and Data Panel's modular installation system, you can easily solve I/O installation challenges in mobile machines.



Repair without losing quality

If something should happen, our pluggable connection cables are easy to replace. This maintains the high quality wiring without the need for expensive tools or having to call in a specialist.

Sealed tight

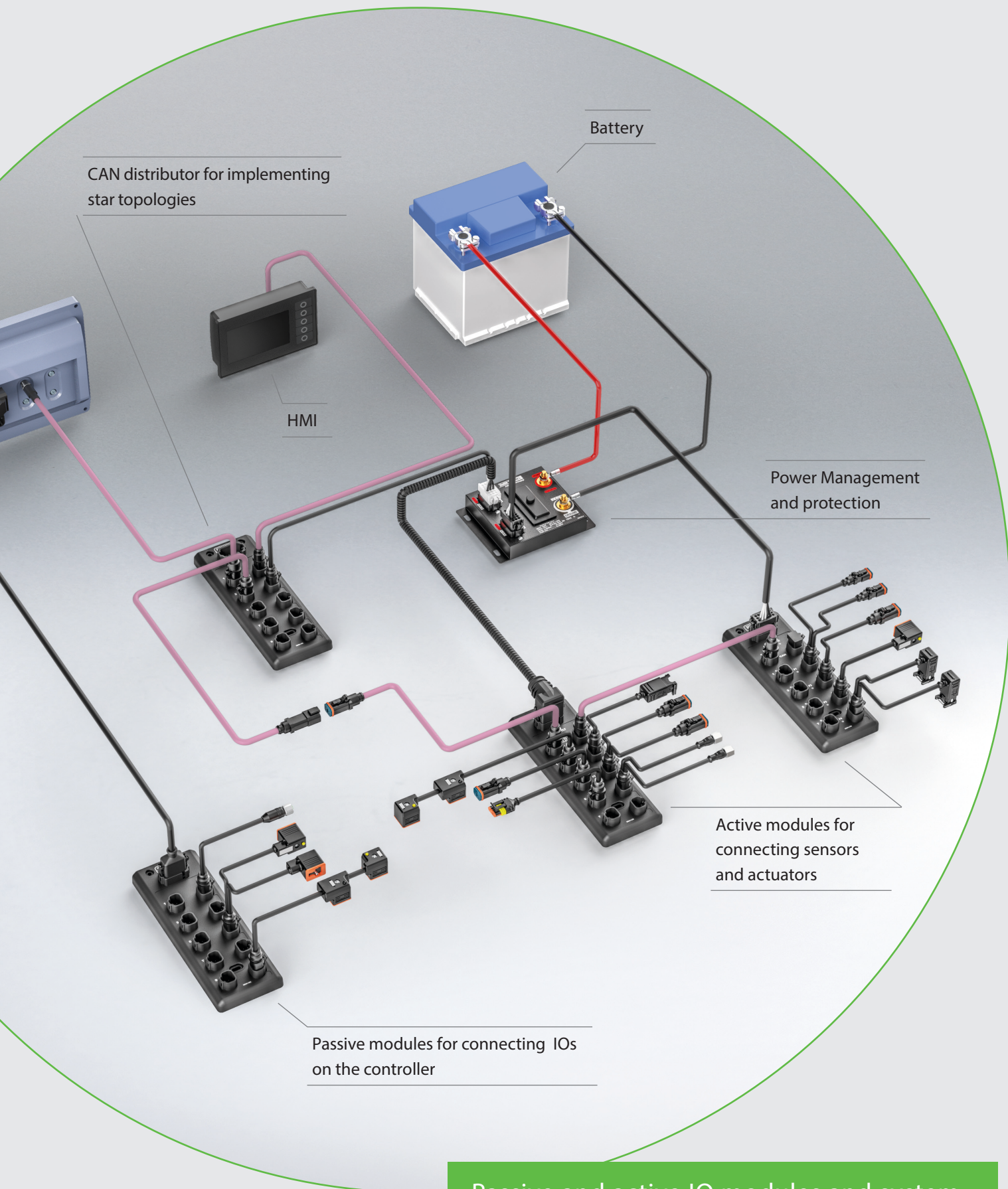
Clean without nasty surprises! Our components can stand up to high pressure cleaners and a variety of media. This means our wiring solutions provide higher machine availability for increased productivity.

Economical even when you only need one

Single-core cable harnesses are complex and expensive, especially for small production runs. Modular, pluggable wiring systems from Murrelektronik and Data Panel bring the dream of "Plugged in, Done!" to mobile machines.

Easy to expand

With our component-based system, future changes and expansions are no problem. Simply plug in and get started!



Passive and active IO modules and system components offer you a consistent and cost-efficient solution

Active Modules

The fully encapsulated CANopen fieldbus module of the xtremeDB product family offers eight ports for inputs and outputs. The signal types digital, analog, ratiometric, frequency/counter, and encoder signals can be individually configured for inputs. DO (4A/10A), PWM/PWM(I) and PVG valve controls on the output side complement the signal range.

xtremeDB active	Part number
10x DT 4-pin, 1x DT 18-pin, 8 IN (DI, AI, Ratiom. Freq. Enc.), 8 OUT (DO, PWM, PWM[I])	DP-34044-1-200
10x DT 4-pin, 1x DT 18-pin, 16 IN (DI, AI, Ratiom. Freq. Enc.)	DP-34044-2-200
10x DT 4-pin, 1x DT 18-pin, 16 OUT (DO, PWM, PWM[I])	DP-34044-4-200
10x DT 4-pin, 1x DT 18-pin, 16 Digital OUT (DO)	DP-34044-5-200



Passive Modules

These discrete wired solutions require no setup or software configuration and are great for systems without a controller or where changing the software to add distributed IO is not possible. They will enhance machine performance by eliminating the need for complex harnesses that are notoriously hard to troubleshoot and are frequently the cause of problems and equipment downtime.

xtremeDB passive	Part number
10x DT 4-pin, DT 18-pin, 16 signals, sensor power, PNP-LED	DP-34045-1-000
10x DT 4-pin, pins connected 1:1, power LED	DP-34045-2-000
10x DT 4-pin, DT 18-pin, 16 signals, no sensor power, PNP-LED	DP-34045-3-000
10x DT 4-pin, DT 18-pin, 16 signals, no sensor power, no LED	DP-34045-5-000
10x DT 4-pin, DT 18-pin, 16 signals, sensor power, no LED	DP-34045-6-000



Connection Technology

Pre-molded cordsets not only save time during installation and troubleshooting, but also ensure that mobile machines continue to function under extreme conditions thanks to their robustness and impermeability. With these cables, the active and passive I/O modules meet the requirements of IP65, IP66K, IP67, IP68 and IP69K. Alternatively, you can assemble the cable yourself using DT or compatible connectors. The modular system of pre-assembled and tested components and the extensive range of accessories make you largely independent when wiring sensors and actuators.



Take advantage of our expertise.

Need help developing the right solution of active or passive modules?
Email us, info@murrelektronik.de, for a no-cost, no-obligation consultation.

You can also visit the "Industries" section of our website – or scan the QR code to learn more.

