

# COMPACT



## Increasingly terminal boxes and cable harnesses are reaching their limits

- Numerous variations
- Cable harnesses are heavy and difficult to install
- Lack of potted components creates sealing problems
- Troubleshooting is difficult and time consuming
- Terminal boxes 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 correct!

- 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 IO 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 needing expensive tools or having to call in a specialist!

**Sealed Tight**

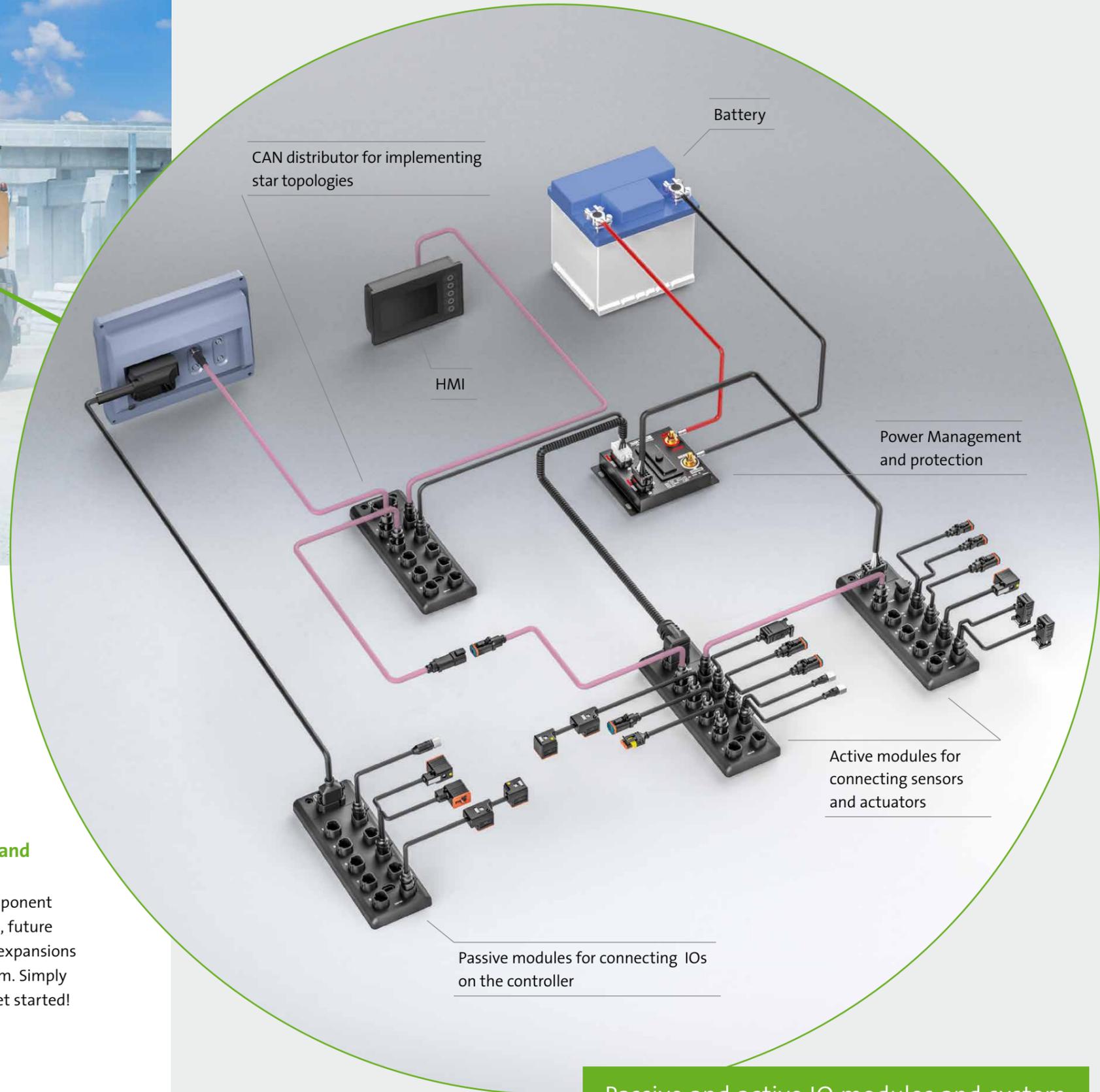
Clean without nasty surprises! Our components can stand up to high pressure cleaners and a variety of media. This means our wiring solutions provide higher machine availability for increased productivity!

**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 idea 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/SAE J1939 fieldbus modules of the xtremeDB product family offer 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) and PWM/PWM(I) (4A) valve controls on the output side complement the signal range.

CANopen

SAE J1939

xtremeDB active	Art. no.	Art. no.
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	DP-34044-1-000
10x DT 4-pin, 1x DT 18-pin, 16 IN (DI, AI, Ratiom. Freq. Enc.)	DP-34044-2-200	DP-34044-2-000
10x DT 4-pin, 1x DT 18-pin, 16 OUT (DO, PWM, PWM[I])	DP-34044-3-200	DP-34044-3-000
10x DT 4-pin, 1x DT 18-pin, 16 Digital OUT (DO)	DP-34044-5-200	DP-34044-5-000



## 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	Art. no.
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 IO 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](mailto: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.

