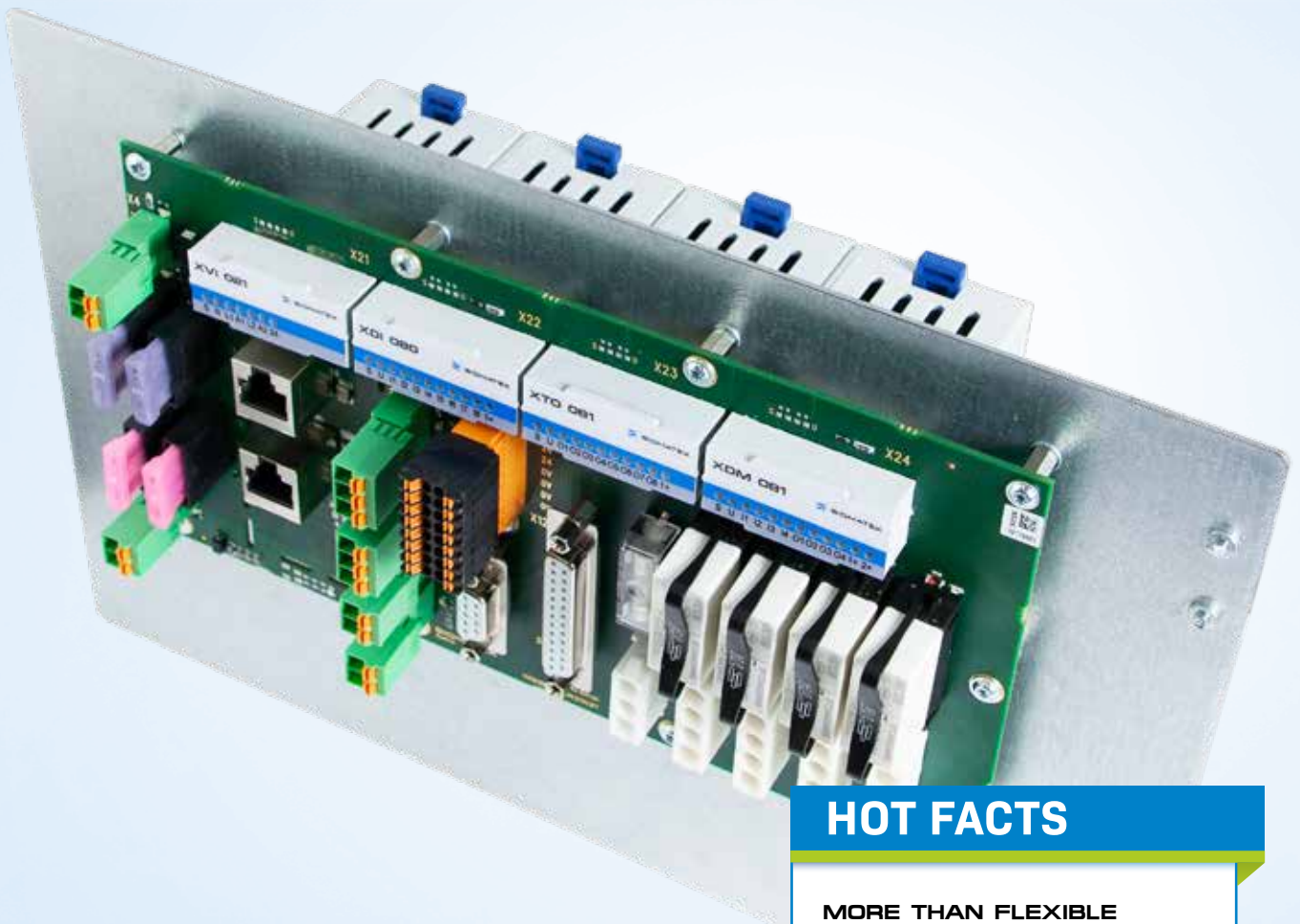# SIGMATEK

I/O SYSTEM
X-DIAS

HOT FACTS

MORE THAN FLEXIBLE
Use as a standard I/O system or integrate into your own electronics

SMART AND EFFICIENT
Bus connection integrated into the I/O modules, function-oriented connectors

EASY ASSEMBLY
Click & Go

EN

I/O SYSTEM X-DIAS

AN I/O SYSTEM WITH X POSSIBILITIES

When automating machines and systems, flexibility is in demand. The X-DIAS I/O system offers you every freedom. You can use the ready-to-use complete modules as standard or, for higher quantities, simply integrate the I/O system into your OEM PCB design and connect the I/Os – this saves control cabinet space, wiring time, and costs.

X-DIAS is a robust, vibration-proof solution with smart locking. The bus connection is integrated into the I/O modules, and the assembly is simple: Click & Go. That's efficiency. For communication with the control system, market standard bus systems are available (e.g., Industrial Ethernet VARAN Bus).

MODULES FOR THE DIN RAIL

The X-DIAS modules can be mounted as standard on the DIN rail. Function-oriented connectors with +/-/signal for each input and output provide convenience and clarity during wiring and commissioning.

FUNCTION-OPTIMIZED FOR PCBS

In the series production of machines with higher quantities, X-DIAS can be flexibly integrated into customer-specific designs. The modules can easily be plugged onto custom PCBs from the backside. This makes efficient use of space in all three-dimensions in the control cabinet, reducing the footprint. Fuses, isolation relays, and the necessary intermediate wiring can be integrated on the OEM board. Pre-assembled cable harnesses significantly reduce wiring effort: time, costs, and potential for errors are minimized by using the X-DIAS I/O system.

FLEXIBILITY ALSO IN THE SOFTWARE

X-DIAS can be flexibly combined or expanded with the automation systems S-DIAS and P-DIAS (IP67). In the engineering tool LASAL, application creation is simple and comfortable. The object-oriented programming with graphical representation ensures a clear project structure as well as maximum modularity and reusability. New variations of machine parts can be implemented with minimal programming and testing effort through inheritance.

www.sigmatek-automation.com