

Your Global Automation Partner

TURCK

IM(X)18-DI 4CH Isolating Switching Amplifier



Compact and flexible for four signals

The IM18-DI 4CH compact isolating switching amplifiers for non-Ex areas and IMX18-DI 4CH for Ex areas offer high signal density and a splitter function with flexible configuration. With four signals across a width of 18 millimeters, the devices can make a real difference, especially when installed in small control boxes and decentralized or modular automation systems.

Users can also benefit from the flexibility of the device. For example, the IM(X)18-DI 4CH also includes a splitter that can be configured as a 2-way 1:2, 1:3, or 1:4 splitter. In addition, the effective direction of the switching outputs can be reversed.

With these new isolating switching amplifiers, Turck is meeting the increased demand

for particularly compact solutions for modular machines. With a width of 18 millimeters for four channels, the IMX18-DI 4CH takes up one third less space compared to comparable installations with 2-channel devices. The SIL2 certification, together with the SIL proximity switches from Turck, means that these devices can be used in safety-related applications.

The signal cables are connected mechanically with spring-type or screw terminals. The power-bridge variants can also be supplied with voltage at the rear via the DIN rail. A collective fault signal contact allows error messages to be displayed, which is also possible through the DIN rail for power-bridge variants.

Your benefits

- Compact 18 mm devices with error message output
- Can be used in Ex zone 2
- Intrinsically safe/non-intrinsically safe end-to-end portfolio
- Wide range of configuration options with multi-splitter function
- Functionally safe to SIL2
- Optional simple power supply via power bridge



Products are linked with further information.

IM(X)18-DI 4CH — isolating switching amplifier



Fields of application: Machine and systems engineering | Pharmaceuticals | Logistics | Oil and gas

ID	Type designation	Description
100028612	IMX18-DI03-4S-5R-S/24VDC	4-channel isolating switching amplifier, relay, Ex, splitter, screw terminal
100028614	IMX18-DI03-4S-5R-SPR/24VDC	4-channel isolating switching amplifier, relay, Ex, splitter, screw terminal, power bridge
100028616	IMX18-DI03-4S-5R-SPR/24VDC/CC	4-channel isolating switching amplifier, relay, Ex, splitter, spring-type terminal, power bridge
100030007	IMX18-DI03-4S-4T1R-S/24VDC	4-channel isolating switching amplifier, transistor, Ex, splitter, screw terminal
100030008	IMX18-DI03-4S-4T1R-SPR/24VDC	4-channel isolating switching amplifier, transistor, Ex, splitter, screw terminal, power bridge
100030009	IMX18-DI03-4S-4T1R-S/24VDC/CC	4-channel isolating switching amplifier, transistor, Ex, splitter, spring-type terminal
100030010	IMX18-DI03-4S-4T1R-SPR/24VDC/CC	4-channel isolating switching amplifier, transistor, Ex, splitter, spring-type terminal, power bridge
100028617	IM18-DI03-4S-5R-S/24VDC	4-channel isolating switching amplifier, relay, Ex, splitter, screw terminal
100028618	IM18-DI03-4S-5R-SPR/24VDC	4-channel isolating switching amplifier, relay, Ex, splitter, screw terminal, power bridge
100028619	IM18-DI03-4S-5R-S/24VDC/CC	4-channel isolating switching amplifier, relay, Ex, splitter, spring-type terminal
100028620	IM18-DI03-4S-5R-SPR/24VDC/CC	4-channel isolating switching amplifier, relay, Ex, splitter, screw terminal, power bridge
100030003	IM18-DI03-4S-4T1R-S/24VDC	4-channel isolating switching amplifier, transistor, Ex, splitter, screw terminal
100030004	IM18-DI03-4S-4T1R-SPR/24VDC	4-channel isolating switching amplifier, transistor, splitter, screw terminal, power bridge
100030005	IM18-DI03-4S-4T1R-S/24VDC/CC	4-channel isolating switching amplifier, transistor, splitter, spring-type terminal
100030006	IM18-DI03-4S-4T1R-SPR/24VDC/CC	4-channel isolating switching amplifier, transistor, splitter, spring-type terminal, power bridge
7580610	IM12-PS02-UI-UIR-PR/24VDC	Supply module
7580611	IM12-PS02-UI-UIR-PR/24VDC/CC	Supply module

