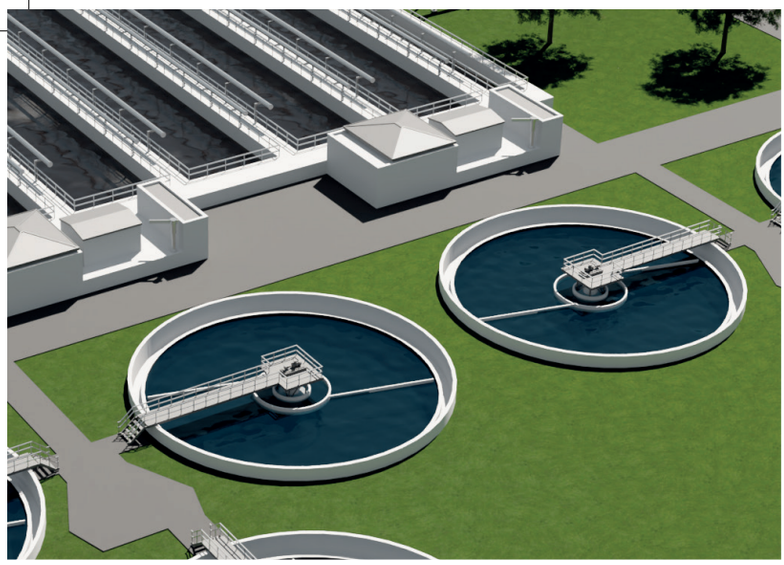
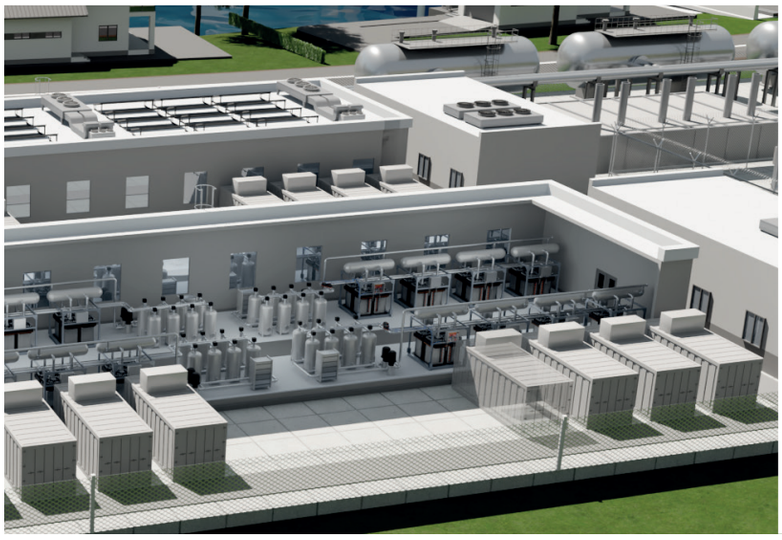
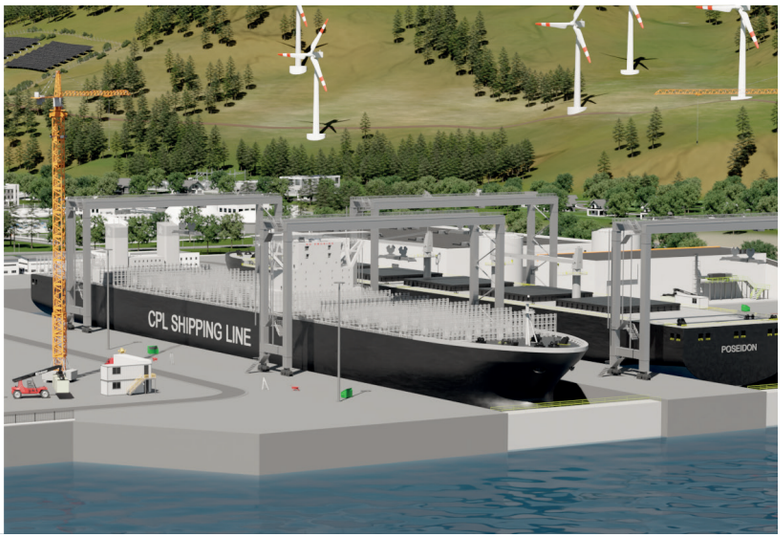






ACT20X – The safety experts

Safe isolation of signals from hazardous areas

Your application requires signals to be routed to or from hazardous areas. Our intrinsically safe ACT20X signal isolating convertors meet the strict standards of the process industry and process signals from a wide range of Ex-zones (Zones 0, 1, 2) for control purposes.

ACT20X signal converters are available for safety functions, e.g. switching aggregates on/off, monitoring actuators or temperature/pressure.

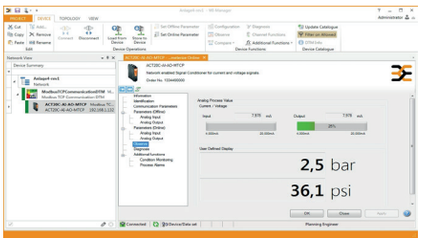
The 2-channel versions with width of 22.5 mm are available with either transistor or relay output. Because of this highly integrated design, the ACT20X help you to reduce installation costs and thereby using less space.

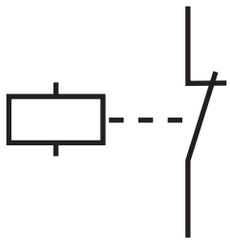
Your benefits:

- Isolation and conversion of intrinsically safe signals
- Meets strict process industry standards (Ex zones 0, 1, 2) with SIL2/ SIL3 and NE21
- HART-transparent
- Configuration via FDT/DTM software

More information on our Website:
www.weidmueller.com/news-isolating-amplifiers-and-measuring-transducers

ACT20X – Key advantages





Configuration via WI Manager
All modules can be quickly and conveniently configured with manufacturer-independent FDT/DTM software.

Intelligent connection system
Pluggable and coded connectors, with release lever for simplified maintenance. Also available as PUSH IN connectors.

Alarm function
No laborious troubleshooting. Alarm function integrated for cable or sensor errors. In case of failures, a diagnostic signal is sent to the control system.

ACT20X – Proven performance

SIL 61508

c UL us LISTED

IECEx

TYPE APPROVED PRODUCT DNV DNV.COM/AF

FM APPROVED

+60 °C bis -20 °C

SIL according to IEC 61508
Available for safety functions, e.g. switching aggregates on/off, monitoring actuators or temperature/ pressure.

Worldwide application
Fulfils the strict standards and requirements of the process industry. Can be used worldwide due to international and local approvals.

Robust
Wide ambient temperature range from -20 °C ... +60 °C. Fulfilling high NAMUR NE21 requirements.

Weidmüller has a huge ACT20X portfolio for harsh environments with different functions available: Supply isolators, output drivers, temperature measuring transducers, switching amplifiers, solenoid drivers and universal measuring transducers.

Selection from 32 devices

Examples	Type	Order. No.
Supply isolator, HART® transparent	ACT20X-HAI-SAO-S	8965430000
Switching amplifier with relay output (NO)	ACT20X-HDI-SDO-RNO-S	8965340000
Solenoid driver for gas group IIC, low power (35 mA)	ACT20X-SDI-HDO-L-S	8965400000
Universal measurement transducers for temperature, standard and potentiometer signals	ACT20X-HUI-SAO-S	8965490000
Output driver, HART® transparent	ACT20X-SAI-HAO-S	8965450000
Temperature transducer RTD / TC sensors	ACT20X-HTI-SAO-S	8965470000
Switching amplifier with relay output (NC)	ACT20X-HDI-SDO-RNC-S	8965350000

More product information in the eShop:
https://eshop.weidmueller.com

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