



S+S REGELTECHNIK



EtherCAT[®] P

THE NEW SINGLE-CABLE SOLUTION ON THE WAY TO CABINET-FREE AUTOMATION



PRODUCT RANGE 2024



S+S REGELTECHNIK USA DIVISION



S+S REGELTECHNIK



**THERMASGARD®
ATM2-EtherCATP**
On-wall / Outside
temperature sensors

\$402.54



**THERMASGARD®
TM65-EtherCATP**
Immersion / duct
temperature sensors

\$451.85



**THERMASGARD®
MWTM-EtherCATP**
Mean value
temperature sensors

\$501.65



**THERMASGARD®
HFTM-EtherCATP**
Sleeve
temperature sensors

\$466.43

THERMASGARD®
Temperature sensors with EtherCATP connection



Type / WG02	Measuring Range / Readout* Temperature	Protective tube / Sensor Protection	Display Bargraph	Item no.	Price USD
ATM2-EtherCATP Outside temperature / wet room temperature measuring transducers					
ATM2-ECATP	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, nominal length = 2.56 in	<input type="checkbox"/>	2001-6201-9100-001	\$402.54
ATM2-ECATP LCD			<input type="checkbox"/>	2001-6202-9100-001	\$456.36
TM65-EtherCATP Immersion / screw-in / duct temperature measuring transducers					
TM65-ECATP 50mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 2 in	<input type="checkbox"/>	2001-4201-9100-011	\$398.00
TM65-ECATP 50mm LCD			<input type="checkbox"/>	2001-4202-9100-011	\$451.85
TM65-ECATP 100mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 4 in	<input type="checkbox"/>	2001-4201-9100-021	\$398.49
TM65-ECATP 100mm LCD			<input type="checkbox"/>	2001-4202-9100-021	\$452.35
TM65-ECATP 150mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 6 in	<input type="checkbox"/>	2001-4201-9100-031	\$399.04
TM65-ECATP 150mm LCD			<input type="checkbox"/>	2001-4202-9100-031	\$452.86
TM65-ECATP 200mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 8 in	<input type="checkbox"/>	2001-4201-9100-041	\$399.53
TM65-ECATP 200mm LCD			<input type="checkbox"/>	2001-4202-9100-041	\$453.37
TM65-ECATP 250mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 10 in	<input type="checkbox"/>	2001-4201-9100-051	\$400.02
TM65-ECATP 250mm LCD			<input type="checkbox"/>	2001-4202-9100-051	\$453.85
TM65-ECATP 300mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 12 in	<input type="checkbox"/>	2001-4201-9100-061	\$400.53
TM65-ECATP 300mm LCD			<input type="checkbox"/>	2001-4202-9100-061	\$454.36
TM65-ECATP 400mm	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, inserted length = 16 in	<input type="checkbox"/>	2001-4201-9100-081	\$401.04
TM65-ECATP 400mm LCD			<input type="checkbox"/>	2001-4202-9100-081	\$454.86
Basic device combines with S+S accessory for use as immersion, screw-in or duct sensor.					
MWTM-EtherCATP Mean value temperature measuring transducers / rod sensors, incl. mounting flange					
MWTM-ECATP 0,4m	-50...+150 °C (-58...+302 °F)*	Ø 0.2 in, rod length = 1.3 ft	<input type="checkbox"/>	2001-4211-9100-001	\$447.81
MWTM-ECATP 0,4m LCD			<input type="checkbox"/>	2001-4212-9100-001	\$501.65
MWTM-ECATP 3,0m	-50...+150 °C (-58...+302 °F)*	Ø 0.2 in, rod length = 9.8 ft	<input type="checkbox"/>	2001-4211-9100-011	\$488.07
MWTM-ECATP 3,0m LCD			<input type="checkbox"/>	2001-4212-9100-011	\$541.91
MWTM-ECATP 6,0m	-50...+150 °C (-58...+302 °F)*	Ø 0.2 in, rod length = 19.7 ft	<input type="checkbox"/>	2001-4211-9100-021	\$538.39
MWTM-ECATP 6,0m LCD			<input type="checkbox"/>	2001-4212-9100-021	\$592.22
Rod material: copper sensor tube, plastic-coated, nominal length optional up to max. 65.6 ft					
HFTM-EtherCATP Sleeve sensor with temperature measuring transducer					
HFTM-ECATP	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, nominal length = 2 in	<input type="checkbox"/>	2001-2161-9100-001	\$412.61
HFTM-ECATP LCD			<input type="checkbox"/>	2001-2162-9100-001	\$466.43
Sensor sleeve made of stainless steel AISI 316 TI, nominal length optional 1.2...16 in					
ALTM2-EtherCATP Surface contact / tube contact temperature measuring transducers, incl. strap					
ALTM2-ECATP	-50...+150 °C (-58...+302 °F)*	Ø 0.24 in, nominal length = 2 in	<input type="checkbox"/>	2001-2171-9100-001	\$416.30
ALTM2-ECATP LCD			<input type="checkbox"/>	2001-2172-9100-001	\$470.16
Connection cable made of silicone, SiHF, 2x24 AWG, cable length = 6 ft (other lengths optional)					

*Data points / Readout in SI units: temperature [°C]



THERMASGARD®
ALTM2-EtherCATP
Tube contact
temperature sensors

\$470.16



HYGRASGARD®
AFTF-EtherCATP
On-wall humidity and
temperature sensors

\$481.53



HYGRASGARD®
KFTF-EtherCATP
Duct humidity and
temperature sensors

\$506.69



PREMASGARD®
612x-EtherCATP
Differential
pressure sensors

\$476.50

HYGRASGARD®
Humidity and temperature sensors with EtherCATP connection



Type / WG02	Measuring Range / Readout*	Temperature	Display Bargraph	Item no.	Price USD
AFTF-EtherCATP	On-wall humidity and temperature measuring transducers				
AFTF-ECATP	0...100% RH (default)	-35...+80 °C (-31...+176 °F)*		2003-6261-9100-001	\$427.68
AFTF-ECATP LCD	0...80 g/kg (MV) (0...560 gr/lb)* 0...80 g/m³ (AH) (0...34.9 gr/ft³)* 0...85 kJ/kg (ENT.) (0...36.0 Btu/lb)* -20...+80 °C (DP) (-4...+176 °F)*		<input type="checkbox"/> <input checked="" type="checkbox"/>	2003-6262-9100-001	\$481.53
KFTF-EtherCATP	Duct humidity and temperature measuring transducers, incl. mounting flange				
KFTF-ECATP	0...100% RH (default)	-35...+80 °C (-31...+176 °F)*		2003-4221-9100-001	\$452.86
KFTF-ECATP LCD	0...80 g/kg (MV) (0...560 gr/lb)* 0...80 g/m³ (AH) (0...34.9 gr/ft³)* 0...85 kJ/kg (ENT.) (0...36.0 Btu/lb)* -20...+80 °C (DP) (-4...+176 °F)*		<input type="checkbox"/> <input checked="" type="checkbox"/>	2003-4222-9100-001	\$506.69

*Data points / Readout in SI units: temperature [°C], relative humidity [%RH], dew point [°C], absolute humidity [g/m³], mixture ratio [g/kg], enthalpy [kJ/kg]

PREMASGARD®
Pressure sensors with EtherCATP connection



Type / WG02	Measuring Range / Readout*	Display Bargraph	Item no.	Price USD
612x-EtherCATP	Pressure and differential pressure measuring transducers, incl. connection set			
PREMASGARD 6128-ECATP	-500... +500 Pa (-2...+2 inWC)*		2004-6271-9100-011	\$422.65
PREMASGARD 6128-ECATP LCD		<input type="checkbox"/> <input checked="" type="checkbox"/>	2004-6272-9100-011	\$476.50
PREMASGARD 6127-ECATP	-7000...+7000 Pa (-28...+28 inWC)*		2004-6271-9100-001	\$422.65
PREMASGARD 6127-ECATP LCD		<input type="checkbox"/> <input checked="" type="checkbox"/>	2004-6272-9100-001	\$476.50

*Data points / Readout in SI units: differential pressure [Pa], volume flow [m³/h]

ADVANTAGES AT A GLANCE

- **Single-cable solution with free choice of topology**
communication and power on one single cable, for combination with line, star and tree structures
- **Implicit EtherCAT bus configuration and diagnosis**
straightforward integration at PLC level using the ESI configuration file of the device, and communication fault counter for quick communication problem location
- **Fast standard industrial bus (Industry 4.0)**
intelligent machine-to-machine communication
- **Standardised M8 connector**
minimal wiring thanks to safe and quick plug-screw connection

S+S ADDED VALUE

- **Wireless communication option**
Bluetooth-capable devices
- **Writable LCD display**
large back-lit three-line display, individually programmable
- **Configurable LED display**
individually configurable bar graph with 7 colour LEDs (e.g. as traffic light indicator)
- **Additional configuration possibilities**
e.g. measuring value, filtering, sampling time
- **Extended sensor data**
e.g. retrievable history (min/max/mean) and service interval determination depending on stress and sensor type





S+S REGELTECHNIK



The new S+S company headquarters on a total area of 14,000 m² in Nordostpark on the outskirts of Nuremberg offers a seamlessly integrated production and development environment with excellent air and road links.

S+S stands for a fully integral value chain. All products are designed, developed, manufactured and programmed in-house.

Development, manufacturing and sales in Nuremberg are certified by TÜV Thüringen according to DIN EN ISO 9001:2015 (quality management) and DIN EN ISO 14001:2015 (environmental management).

All devices are function tested as well as calibrated in-house prior to shipment and meet strict safety, quality and sustainability standards.



S+S REGELTECHNIK GMBH
USA DIVISION
LAS VEGAS, NV 89130

Phone: +1 725 264 4055
E-Mail: USA@SplusS.com

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