

ELO30



SMLC1



ELO30

SELF-CHECKING LOW WATER LEVEL CONTROLLER

GENERAL FEATURES

Regarding the operation and the controlling of the boilers, rules and regulations are subject to change due to country's applications. Nevertheless, it is clearly shown in the regulations that boilers should be operated safely without the assistance of a person when there is high-safety concern.

It can be extremely dangerous to operate boiler without water. Due to the high pressure inside of the boiler, water vapour will expand and apply forces on the boiler's walls. When the design limit is exceeded, the explosion might occur.

If the water level drops to the pre-set low level, the level controller will immediately shut-off and lock the burner of the boiler. Even though, burner is fixed, it still needs to be reset manually.

To prevent such extremely dangerous events and to lock burner of the boiler safely, low level alarm limiter should be used. The limiter is used for monitoring a water minimum fill level in steam boilers. If the water level falls the below the minimum, the limiter should switch off the burner so that over heating can be prevented before injury to people or damage to installation. The level controller is self checking 52 times every second. Thus, no need for testing button for the controller.

ELO30 LEVEL PROBE

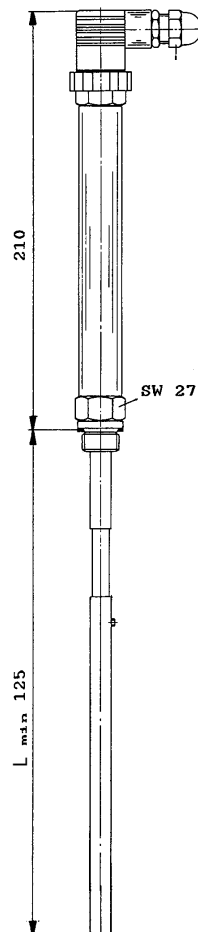
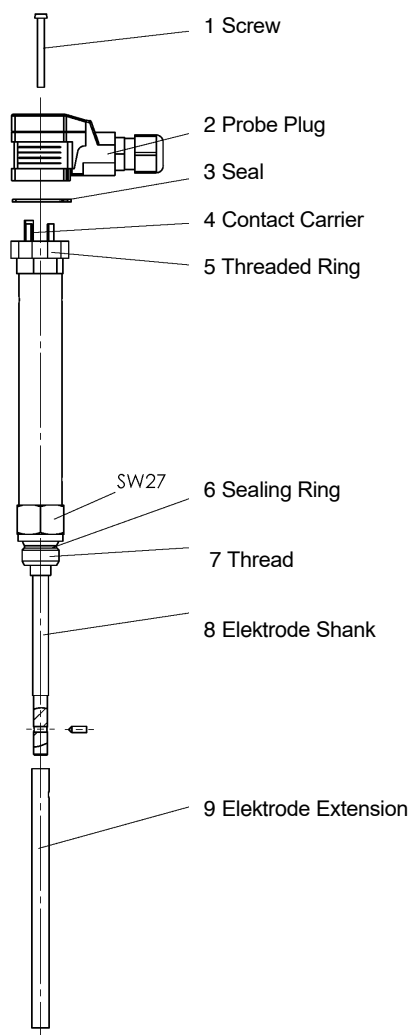
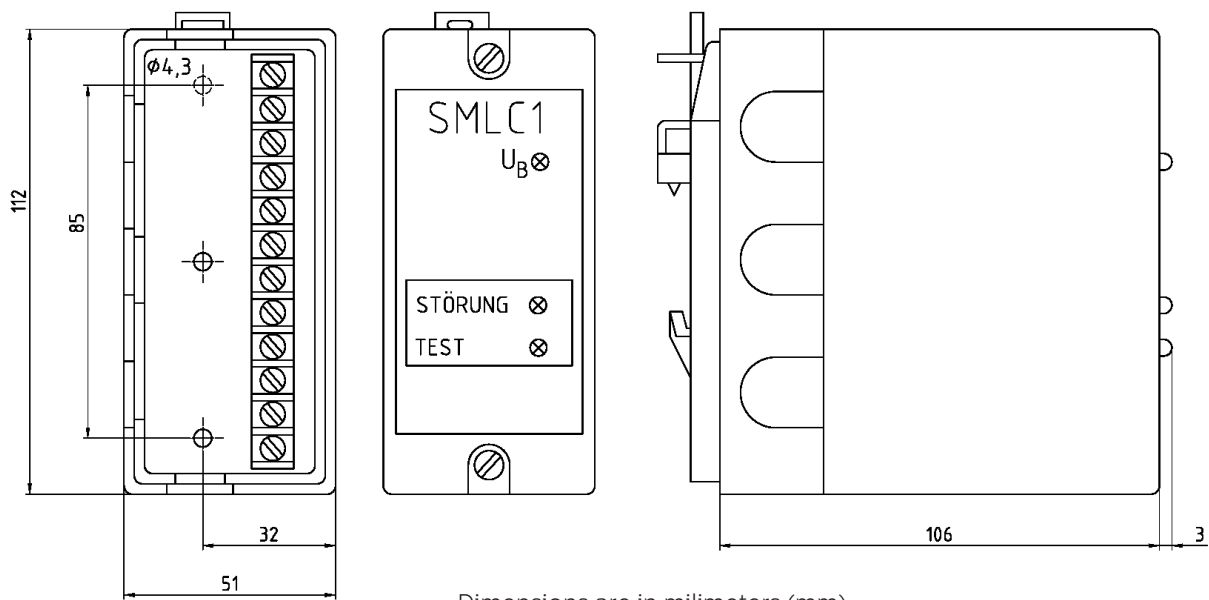
Protective Tube: Stainless Steel
Probe: Stainless Steel
Insulator: PTFE
Socket: Polyamide
Sealing Ring: Metal Gasket
Connection: 1/2" Threaded
Max. Working Pressure: 32 bar
Max. Working Temperature: 239 °C

SMLC1 CONTROL UNIT

Power Supply: 230 V / 50-60 Hz
Inlet: 4,5 VA
Fuse: 80 mA / T
Protection Class: IP40

EL030 SELF-CHECKING LOW WATER LEVEL CONTROLLER

TECHNICAL SPECIFICATIONS

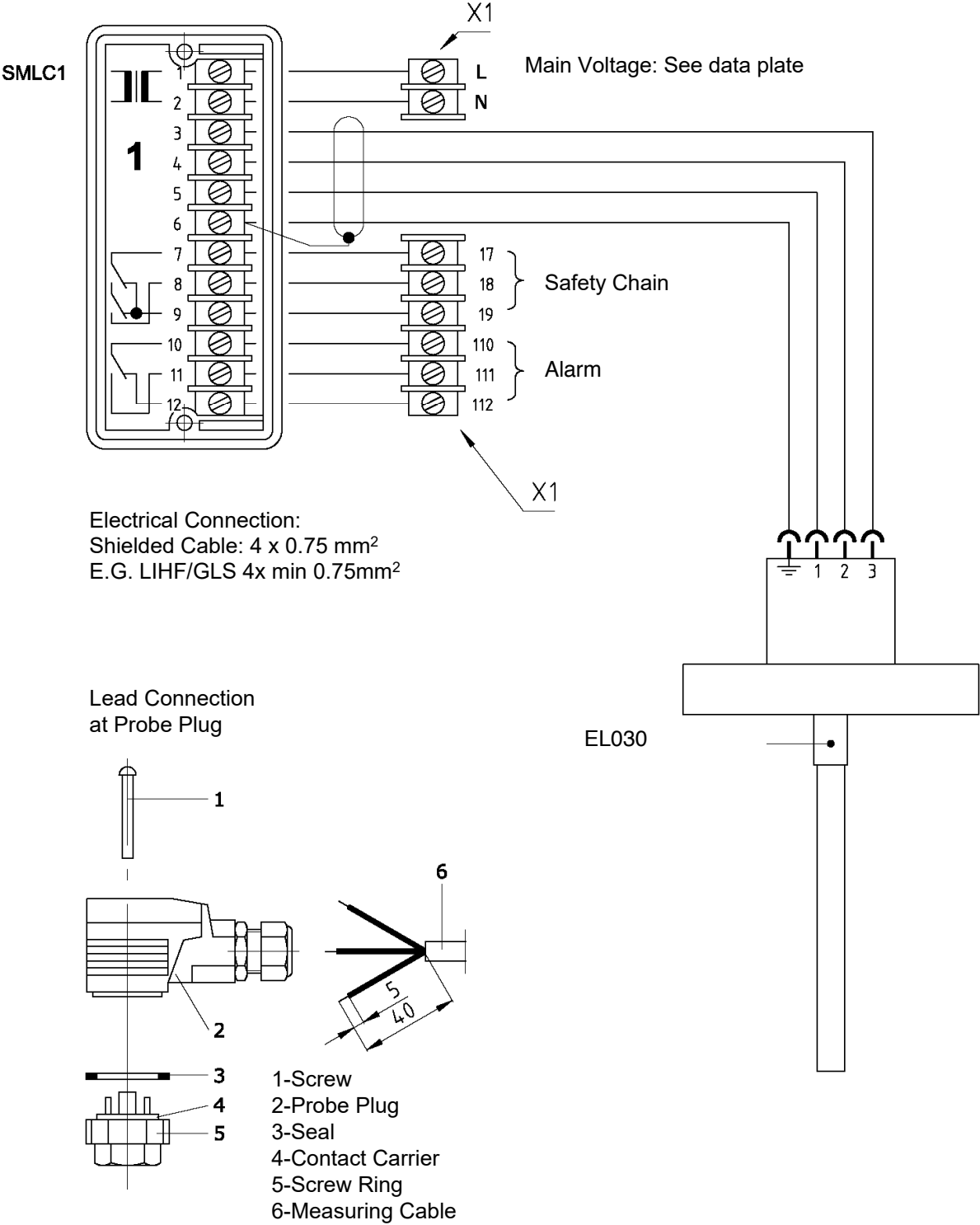


EL030
L = 500 mm
L = 1000 mm
L = 1500 mm
L = 2000 mm

L = electrode length can be produced to the desired size.

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ELECTRICAL CONNECTION SCHEME



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