

MPE LM Surge Transducer Surge Arrester Specification

The MPE Transducer Surge Arrester, part number LM SURGE, shall be a Din-Rail mounted Surge Protection device, providing protection of the 4-20mA loop. The LM Surge shall be a thin packaged din-rail enclosed device, taking only minimal space within the control panel.

The LM Surge product shall protect two 4-20mA signals, one signal protected via pins 1,1' and 2,2' and a second signal protected by pins 3,3' and 4,4'. The LM Surge product can be used in both standard and intrinsically safe applications. The LM Surge product is not an Intrinsically Safe Barrier, but shall be designed to provide surge protection for Zone 2 intrinsically safe applications.

The LM SURGE Arrester shall have a removable protection module that can be easily removed and replaced. The design shall contain "make before break" terminals that assure continuity of the 4-20mA signal in both the protected and unprotected state.

The LM SURGE product shall be UL497B rated, shall have a nominal rating of 24VDC, a maximum voltage rating of 33VDC, a series impedance of 1.8 ohms per line, and shall be able to accept conductor sizes 14-28 AWG.

The M.P. Electronics part number LM SURGE shall be provided by M.P. Electronics, Apopka, Florida, 407-299-3825.