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MULTILAM flexo ML-CUX, the high-power contact solution of the future

Once again, Stäubli Electrical Connectors demonstrates all its innovative potential. The company presents its newest creation with pride: the ML-CUX from the MULTILAM flexo line, based on the two-component principle. This contact plate should be of great interest, especially for manufacturers of equipment and systems in the area of energy supply and distribution.

The new ML-CUX from the MULTILAM flexo line is the result of a consistent process of further development of the two-component MULTILAM for demanding high-power contact solutions. It can be used at various points in switchgears, transformers, circuit breakers, isolator switches, and feed-throughs. Its unique patent-pending design combines optimized electrical and mechanical properties. This allows both a high-rated current carrying capacity and constant low-contact resistance with minimal contact heating, even with constant high load and thousands of mating cycles. Furthermore, the ML-CUX is able to withstand even extreme current peaks and has a short-circuit current carrying capacity of up to 4.4 kA/cm. Therefore, the ML-CUX is especially appropriate for applications in which two or more spring contact elements are used. This allows a more compact design with smaller dimensions, meaning lower material costs for the manufacturer without the need to accept performance compromises. In addition, the special design allows simple manual insertion of MULTILAM into a straight, cost-effective, low-depth slot, even with larger contact diameters. A further crucial advantage of the new MULTILAM is its high tolerance compensation: a large working area makes the ML-CUX highly flexible and simplifies the compensation of angular and axial offsets. That gives the manufacturer more freedom to design a great variety of contact solutions and allows simpler, cost-effective production.

