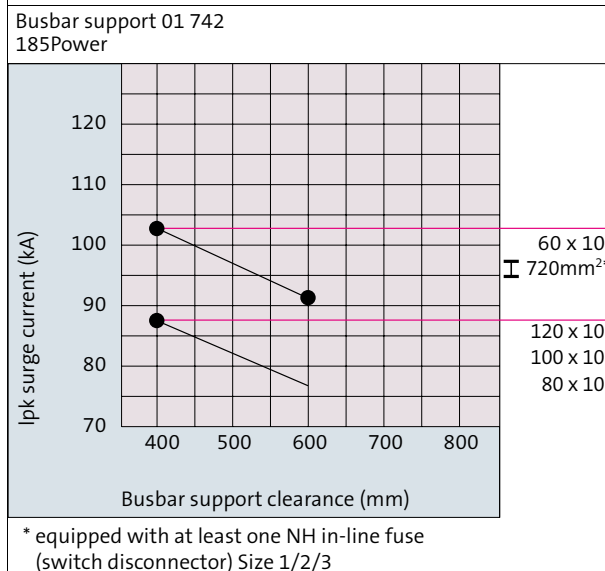
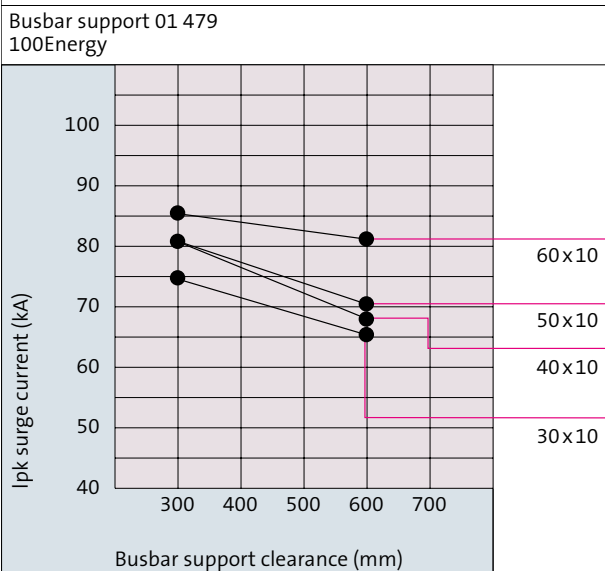
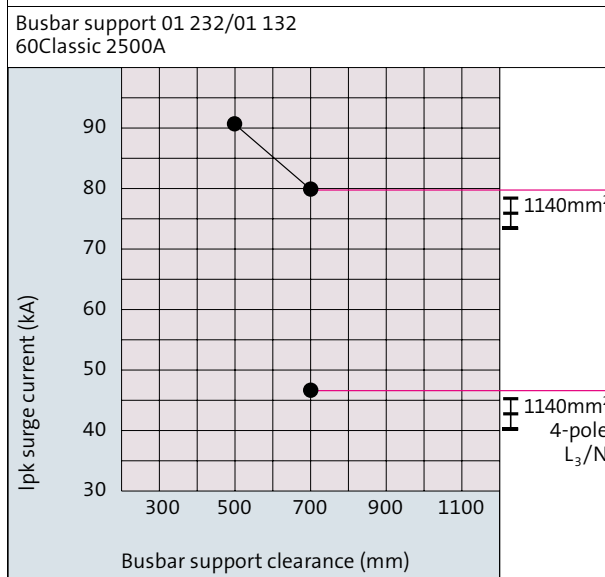
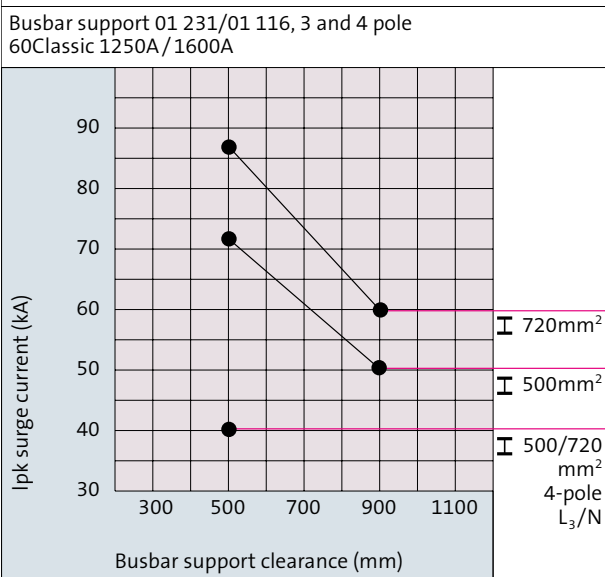
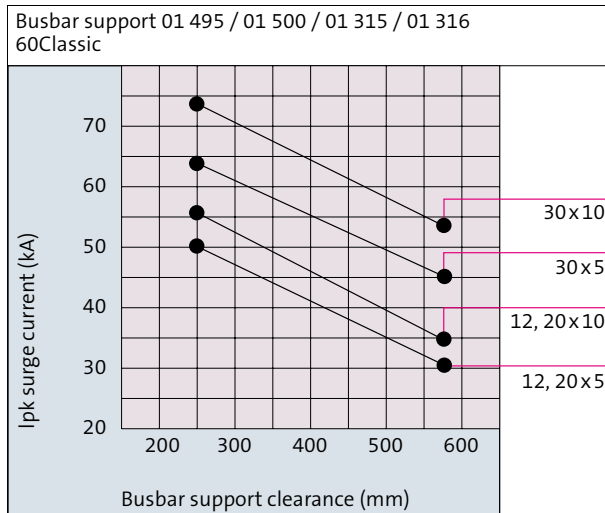
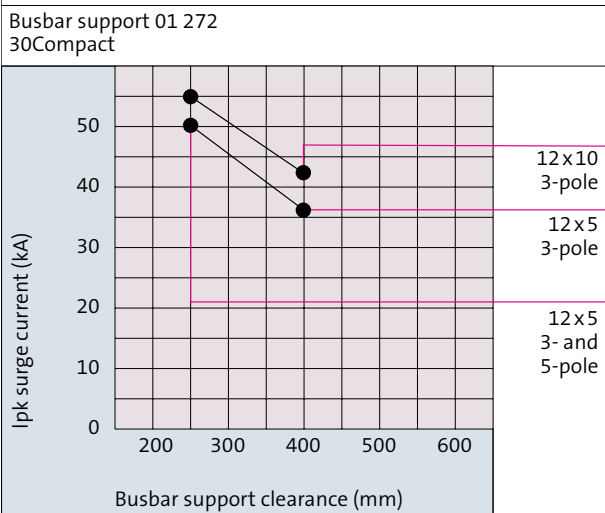


Short-circuit withstand capacity diagrams in acc. with IEC/EN 61439-1 for 60, 100 and 185mm busbar systems

(●) Measured values from type tests

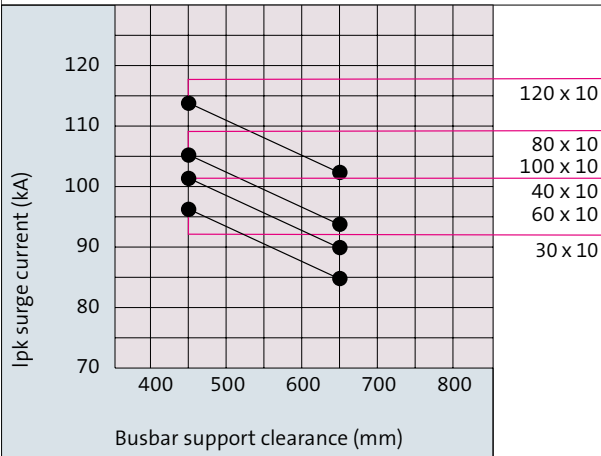


* equipped with at least one NH in-line fuse (switch disconnector) Size 1/2/3

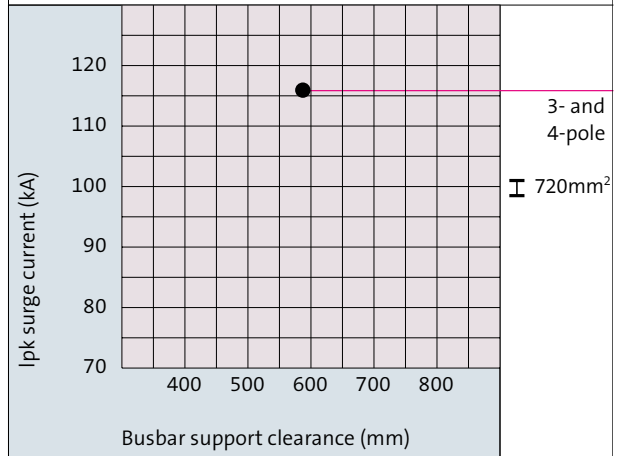
Short-circuit withstand capacity diagrams in acc. with IEC/EN 61439-1 for 85mm busbar systems and central in-feed

(●) Measured values from type tests

Busbar support 01 430
185Power



Centre-feed unit
Current flow through 80% of busbar length



Assignment of surge current to effective figure of the short-circuit current IEC/EN 61439-1

Values of factor *n*

Effective value of the short-circuit current	cos φ	<i>n</i>
/ ≤ 5	0.7	1.5
5 < / ≤ 10	0.5	1.7
10 < / ≤ 20	0.3	2
20 < / ≤ 50	0.25	2.1
50 < /	0.2	2.2

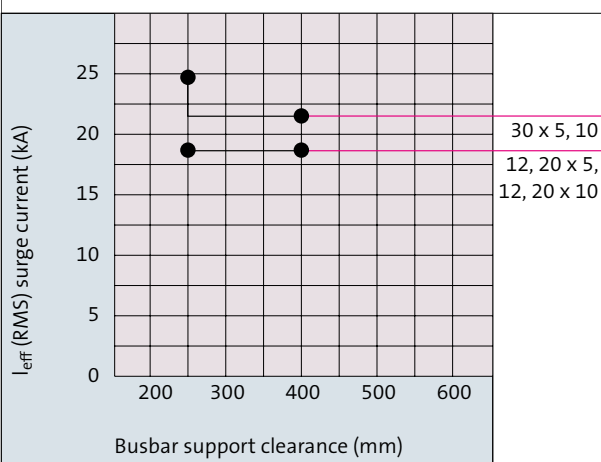
According to Table 7 as per IEC/EN 61439-1 or Table 4 according to IEC/EN 61439-1, the factor *n* is used to determine the ratio between surge current *I_{pk}* and the effective value of the short-circuit current by taking the power factor into account.

See IEC/EN 61439-1 for deviations.

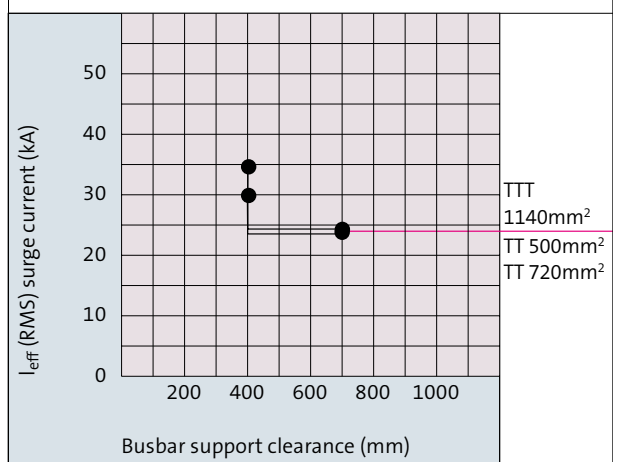
Short-circuit strength diagrams according to UL 845 for 60mm busbar systems

(●) Measured values from type tests

Busbar support 01 508



Busbar support 01 231 / 01 232



Additional SCCR values in installation instructions 94717
e.g. SCCR 100kA: —□— 500A, 30 x 10, 800mm centre distance