

Spool piece

for transformer terminal clamps, insulated on one side.



No.

623 409 001

Al elast contact discs

Al elast contact discs are used for screw connections designed to carry the full current for planar aluminium and aluminium and copper or aluminium with bronze connection surfaces.

The Al elast contact disc surfaces are tin-plated to keep them free of non-conducting aluminium oxide layers.

Al elast contact discs were subjected to comprehensive ageing tests in the PFISTERER testing laboratories. Amongst other things up to 2500 heating cycles were carried out with test currents up to 1250A and at temperatures up to 115 °C at the connection points. Comparison tests showed that the resistance of the Al elast contact disc connections was only about 20 - 30% of that of comparable traditional rail connections after the end of the durability tests.

The given load values apply when using Al elast contact discs on DIN 46206 flat connections and DIN 43673 busbar screw connections and with similar configurations.

In order to achieve the best possible force input into the Al elast contact disc 36 mm external diameter, 4 mm thick large surface steel discs are used

Diameter 37 mm

Thread	8.8 steel Nm	A2 F80 / A4 Nm	Cu-Ni alloy Nm	Rated current A
M10	-	-	39	600
M10	46	43	-	750
M12	-	-	68	1000
M12	80	75	-	1250
M16	120	120	120	1250

Al elast contact discs

with integrated adapter for screw,
without steel washers.



No.	Contact disc diameter Ø (mm)	Adapter for screw	Packing unit
332 127 127	37	M10 - M16	50