

INTRODUCTION

# Stäubli MULTILAM plugs

**Stäubli MULTILAM plugs are machined from brass, and are gold- or nickel-plated.**

A recess serves as a seat for the freely movable MULTILAM contact cage. It is punched from rigid hard-drawn copper alloy sheet, rolled and formed so that the louvers bulge outward. The spring action of the louvers

provides constant pressure in the mated condition. Our MULTILAM plugs are fitted with two different types of MULTILAM. The outstanding electrical characteristics of MULTILAM connectors are: high current-carrying capacity, minimal contact resistance, low self-heating.

Solid metal pins make Stäubli MULTILAM plugs extremely rugged and crushproof. They are also highly resistant to vibration in the mated condition.





straight

Traditional, straight form, a proven Stäubli design with very good electrical and mechanical properties for a plug connection.



twisted

“Twisted” form with even better electrical and mechanical properties for a plug connection.

Technical data						
	MULTILAM version “straight”					MULTILAM version “twisted”
						
Nominal-Ø	Ø 2 mm	Ø 2.5 mm	Ø 2.8 mm	Ø 3 mm	Ø 4 mm	Ø 4 mm
Max. rated current	25 A	25 A	25 A	30 A	50 A	50 A
Contact resistance, gold-plated version	0.4 mΩ	0.5 mΩ	0.5 mΩ	0.5 mΩ	0.3 mΩ	0.2 mΩ
Contact resistance, nickel-plated version	2 mΩ	–	–	–	0.8 mΩ	0.4 mΩ
Upper temperature limit	150°C					150°C