Telegärtner
KARL GÄRTNER GMBH

order number: J80026A0006

STX V1 RJ45 plug set AWG24-27 Cat.6 metal, with bend protection
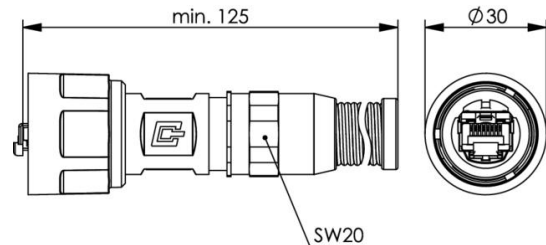
Technical Attributes	
Description	STX V1 RJ45 plug set Cat.6
Solid/Stranded	AWG24-27
Housing	metal
Remarks	with bend protection

Product description

Modern industrial and building wiring envisions linking the office network with the manufacturing network and its subordinate production cells and machinery. The applicable standard for this, ISO/IEC 24702:2006 resp. EN 50173-1 and -3:2007, are intended for situations with a high level of bidirectional traffic between the administration and manufacturing areas whereby realtime transmissions with high security, 100% availability and simultaneous high investment security must all be guaranteed. The increasing interconnection of machinery, equipment and measuring instruments in the production area using connectors already known from office wiring applications demands that these be adapted to the higher stresses presented by the contamination-prone, rough industrial environment. Aside from a variety of RJ45 IP67 connectors, Telegärtner therefore also offers designs for connecting glass and polymer fibres in order to meet this challenge. Ethernet connectors from Telegärtner give you a decisive advantage since these products are not only 10Gbit compliant acc. to IEEE 802.3an, but their housings are also in compliance with the IEC 61076-3-106 standard.

Connectors for modern industrial applications need to be designed in such a way that they simplify processes and cope with faster data transmission. Telegärtner recommends the connectors of Variant 1 for generic cabling of factory automation machinery (Automation Island, ODVA) acc. CDV IEC 61918 Ed.2.0 in a robust metal or plastic design. The connectors of Variant 1 are standardized in the IEC 61076-3-106, designed to meet the demands of harsh industrial environments, guaranteeing protection class IP67 whether mated or

unmated (using the IP67 protection cap). Furthermore, the modular principle - which is used on all connectors with STEADYTEC®-Technology - allows us to offer a wide range of products. Benefit from maximum flexibility and choose the insert you need! The RJ45 plug and bulkhead inserts stand out due to high power reserves and offer transmission characteristics of Class EA acc. to FPDAM2:2009 to ISO/IEC 11801:2002. The FO plug and bulkhead inserts are available for GOF and POF-fibres and provide the most suitable solution for every application.

Performance Characteristics

- Variant 1 acc. to IEC 61076-3-106
- protection class IP67
- available with RJ45 Cat.6A, USB or FO insert
- rugged zinc diecast or plastic housing
- storage of cables with diameter 5...10 mm
- pre-assembled plugs and set products for simple assembly
- simple mounting of bulkheads through a central screwed gland or four screws
- with bend protection to prevent cables from being excessively bent
- NBR aiguilette at the protection cap
- colour codings available
- bay for marking labels