

381166929	<b>DATA SHEET</b>	
Valid from: 05.12.2024	<b>EPIC® DATA RJ45 6A 20</b>	

### Description

- RJ45-plug
- CAT.6/6A FTP
- RoHS-conform



### General characteristics

Series	RJ45
Temperature range	-40 °C to +55°C

### Mechanical characteristics

Engaging force	≤ 30 N
Mating cycles (min.)	≥ 750

### Electrical characteristics

Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ min., 100 V DC min.
Rated voltage	125 V AC
Rated current	1,5 A @ 25° C

### Suitable cable

Conductor, 7-wire stranded	AWG27/7 – AWG24/7
Insulator outer diameter	Ø 0,8 bis Ø 1,05
Jacket outer diameter	Ø 4,5 bis Ø 6,5

### Materials and surfaces

Connector housing	PA66
Wire manager	PC
Contacts	brass / gold plated
Connector	spring steel


### Environmental Requirement

Products are compliant with the RoHs and REACH

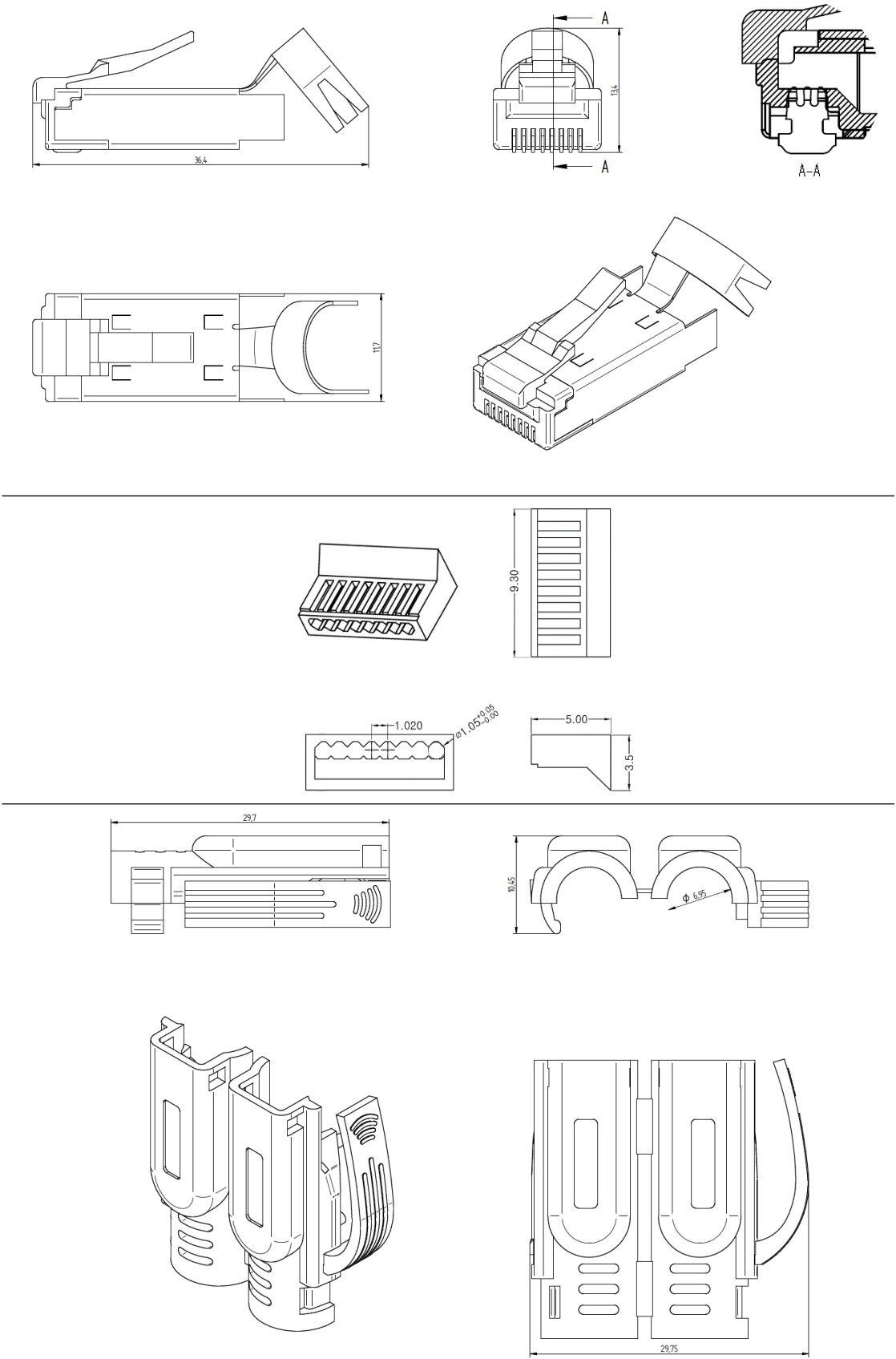
### Connector Standard

IEC 60603-7-81


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**Drawings**



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**Info**

Simplified pin assignment through a wire manager with a transparent viewing window  
Simple cable connection thanks to insulation displacement technology

**Application range**

For data transmission in the frequency range up to 600 MHz  
For use with Cat.6A cables  
Suitable for all LAN networks and Ethernet applications up to 100Base-TX

**Remark**

The photographs are not true to scale and do not represent detailed images of the respective products.