

RJ45 Connector (180°) Cat 5e - Industrial Ethernet

1. Scope

This manual describes the assembly of RJ45 Connector (180°) Field Installable Industrial Ethernet

2. Technical Data

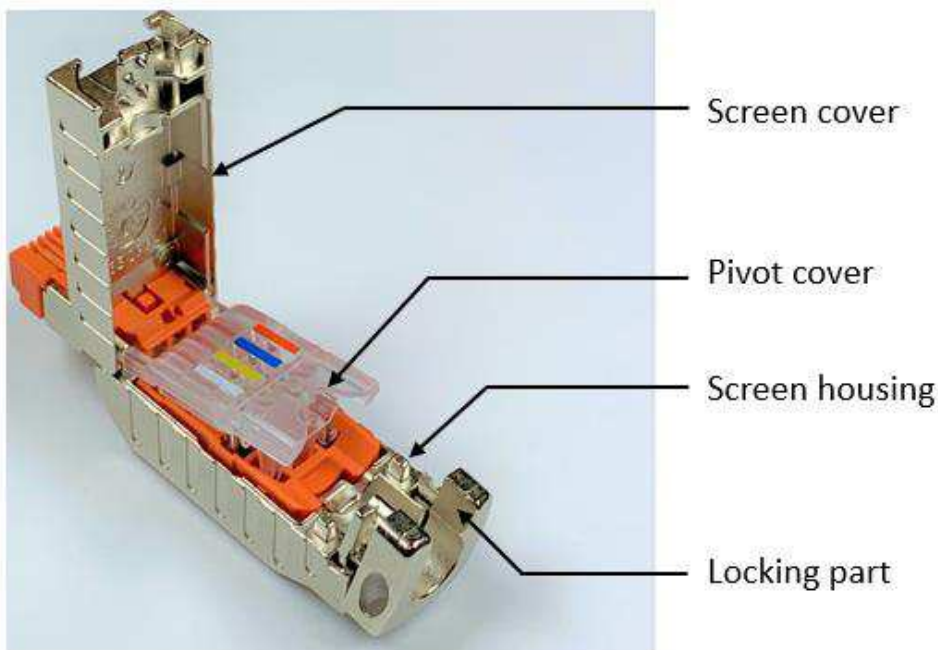
Degrees of protection	IP 20
Operating temperature	-40°C ... +85°C
Storage temperature	-40°C ... +85°C
Wire cross-section	AWG 22 (0,32 mm ²) solid or (0,34 mm ²) stranded wire
Insulation diameter	Ø 1.5 ± 0.08 mm
Cable outer diameter	Ø 6.5 ± 0.2 mm
Customer drawing	2383216

* For more technical details refer the product specification 108-94864

* Recommend to use a standard stripping tool which creates a free length of **5 mm** cable braid

PN: 2383216-X

RJ45 Connector (180-Degree Version) cat 5e Industrial Ethernet



3. Assembly Steps

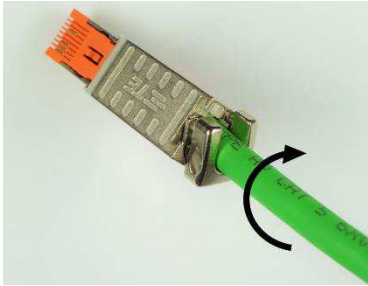
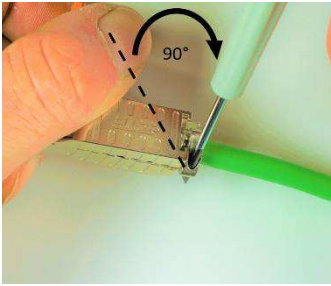
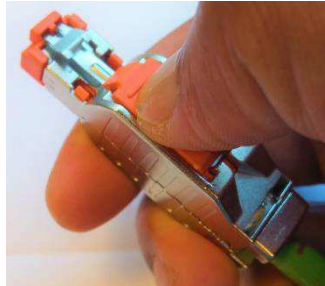
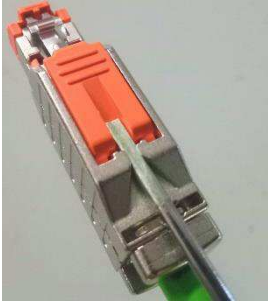
3.1 Preparation of the Ethernet cable

<p>A. Use any stripping tool which is offering 5 mm knife clearance for achieving the open cable braid</p>	<p>B. Measure the cable length against ruler.</p>	<p>C. Insert the cable into the stripping tool. Your left index finger is the limit stop. Tighten the stripping tool fully.</p>
<p>D. To strip the insulation, turn the tool clockwise acc. to the stripping tool instruction recommended: -Approx. 3 times for PVC insulation -Approx. 4 times for PUR insulation</p>	<p>E. Takeout the cable from the stripping tool</p>	<p>F. Pull-out the outer jacket material & remove the protective foil and unwanted braid bristle with scissors and keep it smooth</p>

3.2 Insertion of the Ethernet cable

<p>G. Spread out the wires according to color markings on the pivot cover of the RJ45 connector</p> <p> Avoid shielding braid to bristle and keep it fit smooth</p>	<p>H. Open the screen cover until its snapped in upper position, do the same with pivot cover. Insert wires according to the printed color code as deep as possible</p>	<p>I. Press the pivot cover with wires towards the screen housing</p>

3.3 Cable termination & Final assembly of connector

		
<p>J. Close the screen cover and turn the locking part in the direction of the arrow with hand (refer K for an alternative)</p>	<p>K. Insert a 2.5 mm screw driver into the hole of locking part and turn it as far as limit stop.</p>	<p>L. Unmate the connector by pressing the button with thumb (refer M for an alternative)</p>
		
<p>M. After mating into a device, a screwdriver can be inserted and removed with the plug for easy release (blade in flat orientation)</p>		