

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	<b>89 899 - 94 HH</b>
Company	<b>Ziehl Industrie-Elektronik GmbH + Co. KG Daimlerstr. 13 74523 Schwäbisch Hall, GERMANY</b>
Product Description	<b>PTC - Resistor Trip Device</b>
Type	<b>MS 220 C</b>
Environmental Category	<b>C, EMC2</b>
Technical Data / Range of Application	<b>Protection against thermal overload in connection with: Resistors according to DIN 44081 and DIN 44082</b>  <b>Power supply voltage: 220 ... 240 V AC, 50 / 60 Hz</b>  <b>Input: 1 to 6 PTC - resistors, cut out point max. 4 kOhm, sensor current max. 0.3 mA</b>  <b>Output: potential free contact 1 x CO switching voltage: max. 400 V AC switching current: max. 5 A switching output : max. 2000 VA, max 120W / 24 V DC</b>  <b>Degree of protection: device IP 40 terminals IP 20</b>
Test Standard	<b>GL Guidelines for the Performance of Type Approvals, Chapter 2 - Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2003</b>
Documents	<b>Technical data sheet: drawing no. 12150-1500-00; Technical description: drawing no. 12150-1601-0;; Drawing: drawing no. 12150-1701-00, Layout: drawing no. 12150-0601-00; Part list: drawing no. 12150-0201-00</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.</b>

Valid until **2019-06-07**

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File No. **I.L.04**

**Hamburg, 2014-06-23**

Type Approval Symbol



**DNV GL**

  
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