

# ASTA

## CERTIFICATE OF COMPLETE COMPLIANCE

Laboratory Ref. No. **6708**

Certificate No: **20128A**

APPARATUS: **INSTALLATION COUPLER**

DESIGNATION: **MST20I\*\* & MST25I\*\* types**

MANUFACTURER: **Wieland Electric s.r.o., Nádražní 1557, 356 01 Sokolov / Tschechien, Czech Republic**

TESTED BY: **Intertek Semko AB, Torshamnsgatan 43, Box 1103, SE-164 22 Kista, Sweden**

DATES OF TEST: **September - December 2014**

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

**IEC 61535: 2009 (First Edition) +A1: 2013 incorporating corrigendum January 2014**

The results are shown in the report attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below

**250/400V 20A a.c. and 250V 25A a.c.**

**MST20I\*\* - Installation coupler with 20A rating**

**MST25I\*\* - Installation coupler with 25A rating**

**With crimp terminals, 3 poles to 5 poles**

**non rewirable, IP 40, with earthing contact, for flexible conductors**

**Fitted with 2.5mm<sup>2</sup> or 4.00mm<sup>2</sup> H05VV-F cable made by Leoni**

**\*\* See enclosed test report for extended designation details**

The report applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the manufacturer.

**This certificate comprises 54 Pages, No Diagrams, 47 Photographs, No Drawings and No other sheets as detailed on page A**

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the assigned rated characteristics of the apparatus tested, are permitted without written permission from Intertek Testing and Certification Services, Hilton House, Corporation Street, Rugby, CV21 2DN, England.

Contact [asta@intertek.com](mailto:asta@intertek.com). Tel +44 (0)1788 578435



010

A handwritten signature in black ink, appearing to read "Clinton Drackett".

**ASTA Inspector  
Clinton Drackett**

**ENGINEERING MANAGER**

**5th June 2015**

**Date**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                  |                |          |           |           |          |           |          |           |    |   |    |     |    |   |    |     |      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------|----------|-----------|-----------|----------|-----------|----------|-----------|----|---|----|-----|----|---|----|-----|------|--|
| <b>Summary of testing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                  |                |          |           |           |          |           |          |           |    |   |    |     |    |   |    |     |      |  |
| <b>Tests performed (name of test and test clause):</b><br><br>All applicable clauses have been tested.<br><br>This test report covers installation coupler from 3 poles to 5 poles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Testing location:</b><br><br>Intertek Semko AB<br>Torshamnsgatan 43<br>SE-164 22 Kista Sweden |                |          |           |           |          |           |          |           |    |   |    |     |    |   |    |     |      |  |
| <b>Summary of compliance with National Differences:</b><br><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                  |                |          |           |           |          |           |          |           |    |   |    |     |    |   |    |     |      |  |
| <b>Copy of marking plate:</b><br><br>wieland, <br>20A 250/400V~, 25A 250V~<br>MST20I** = Inst.-coupler with 20A rating Current.<br>MST25I** = Inst.-coupler with 25A rating Current<br><br><p style="text-align: center;"><b>Type designation code I</b><br/> <b>connector system <i>Metalynx</i> MST ...</b><br/> <b><u>non-rewirable connectors with crimp terminals</u></b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>MST 20I</u></td> <td style="text-align: center;"><u>3</u></td> <td style="text-align: center;"><u>KC</u></td> <td style="text-align: center;"><u>B</u></td> <td style="text-align: center;"><u>S</u></td> <td style="text-align: center;"><u>25</u></td> <td style="text-align: center;"><u>H</u></td> <td style="text-align: center;"><u>GR</u></td> <td style="text-align: center;">IX</td> </tr> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">II</td> <td style="text-align: center;">III</td> <td style="text-align: center;">IV</td> <td style="text-align: center;">V</td> <td style="text-align: center;">VI</td> <td style="text-align: center;">VII</td> <td style="text-align: center;">VIII</td> <td></td> </tr> </table> <p>I      Basic type designation<br/>               MST20I      =      Inst.-coupler with 20A rating current<br/>               MST25I      =      Inst.-coupler with 25A rating current</p> <p>II      Number of poles: 3 up to 5</p> <p>III     Terminal type<br/>               KC            =      Crimp terminal</p> |                                                                                                  | <u>MST 20I</u> | <u>3</u> | <u>KC</u> | <u>B</u>  | <u>S</u> | <u>25</u> | <u>H</u> | <u>GR</u> | IX | I | II | III | IV | V | VI | VII | VIII |  |
| <u>MST 20I</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>3</u>                                                                                         | <u>KC</u>      | <u>B</u> | <u>S</u>  | <u>25</u> | <u>H</u> | <u>GR</u> | IX       |           |    |   |    |     |    |   |    |     |      |  |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | II                                                                                               | III            | IV       | V         | VI        | VII      | VIII      |          |           |    |   |    |     |    |   |    |     |      |  |

|      |                                                                           |   |                                                            |
|------|---------------------------------------------------------------------------|---|------------------------------------------------------------|
| IV   | Type of connector (first cable end)                                       |   |                                                            |
|      | B                                                                         | = | Female connector                                           |
|      | S                                                                         | = | Male connector                                             |
| V    | Type of connector (second cable end)                                      |   |                                                            |
|      | no suffix                                                                 | = | Free cable end                                             |
|      | <u>In combination with position IV, suffix B (female connector), only</u> |   |                                                            |
|      | S                                                                         | = | Male connector                                             |
| VI   | Rated cross section of cable                                              |   |                                                            |
|      | 25                                                                        | = | 2,5mm <sup>2</sup>                                         |
|      | 40                                                                        | = | 4,0mm <sup>2</sup>                                         |
| VII  | Type of cable                                                             |   |                                                            |
|      | P                                                                         | = | H05VV-F                                                    |
| VIII | Colour: all colours, i. e.                                                |   |                                                            |
|      | GR                                                                        | = | Pepple grey RAL 7032                                       |
| IX   | Coding:                                                                   |   |                                                            |
|      | 1. Letter – Kind of profile                                               |   |                                                            |
|      | C                                                                         | = | C-Profile                                                  |
|      | Z                                                                         | = | Z-Profile                                                  |
|      | V                                                                         | = | V-Profile                                                  |
|      | 2. Letter – Variants overview (0 and 2 up to 9)                           |   |                                                            |
|      | C0                                                                        | = | 4-pol. Switch (N, PE, 1, 2, 3) Oxide red RAL 3009          |
|      | C2                                                                        | = | 4-pol., 250V (N, PE, L, PE1) Turquoise RAL 5018            |
|      | C3                                                                        | = | 3-pol., 250V (N, PE, L) White RAL 9003                     |
|      | C4                                                                        | = | 4-pol., 250V (N, PE, L, Lx) Coral red RAL 3016             |
|      | C5                                                                        | = | 5-pol., 250V (N, PE, L, D1, D2) Pastel blue RAL 5024       |
|      | C7                                                                        | = | 5-pol., 250/400V (N, PE, L1, L2, L3) Lemon yellow RAL 1012 |

Note: Suffices, which are obvious like colour, etc., are not marked on the product.

**Type designation code II**  
**connector system *Metalynx* MST ...**  
**distribution blocks**

|                |          |          |            |          |           |           |      |
|----------------|----------|----------|------------|----------|-----------|-----------|------|
| <u>MST 20I</u> | <u>5</u> | <u>V</u> | <u>2P1</u> | <u>T</u> | <u>25</u> | <u>GR</u> |      |
| I              | II       | III      | IV         | V        | VI        | VII       | XIII |

**I Basic Type Designation**

MST20I = Inst.-coupler with 20A rating current

MST25I = Inst.-coupler with 25A rating current

**II Pole number: 3 up to 5, inclusive**

**III Distribution Block**

V = Distribution block, same polarity

**IV Number of channels**

2P1 = Two female outputs with one male input

3P1 = Three female outputs with one male input

**V Configuration of distribution block**

no suffix = Standard form (H-form)

T = T- form

M = 90° angle junction with cable

**VI Rated cross section of cable**

25 = 2,5mm<sup>2</sup>

40 = 4,0mm<sup>2</sup>

**VII Colour: all colours, i. e.**

GR = Pepple grey RAL 7032

**XIII Coding:****1. Letter – Kind of profile**

|   |   |           |
|---|---|-----------|
| C | = | C-Profile |
| Z | = | Z-Profile |
| V | = | V-Profile |

**2. Letter – Variants overview (0 and 2 up to 9)**

|    |   |                                      |              |          |
|----|---|--------------------------------------|--------------|----------|
| C0 | = | 4-pol. Switch (N, PE, 1, 2, 3)       | Oxide red    | RAL 3009 |
| C2 | = | 4-pol., 250V (N, PE, L, PE1)         | Turquoise    | RAL 5018 |
| C3 | = | 3-pol., 250V (N, PE, L)              | White        | RAL 9003 |
| C4 | = | 4-pol., 250V (N, PE, L, Lx)          | Coral red    | RAL 3016 |
| C5 | = | 5-pol., 250V (N, PE, L, D1, D2)      | Pastel blue  | RAL 5024 |
| C7 | = | 5-pol., 250/400V (N, PE, L1, L2, L3) | Lemon yellow | RAL 1012 |

**Note:** Suffices, which are obvious like colour, etc., are not marked on the product.

**Basic type designation: MST20I\*\* = Inst.-coupler with 20A rating Current.**

\* The temperature rise test has been performed with connector female and plug male engaged to the distribution blocks marked with 20A 250/400V~ with flexible cable H05VV-F 5G2,5mm<sup>2</sup> see photos below.



2,5mm<sup>2</sup>



4mm<sup>2</sup>/through  
2,5mm<sup>2</sup>/outlet



2,5mm<sup>2</sup>



4mm<sup>2</sup>/through  
2,5mm<sup>2</sup>/internal



2,5mm<sup>2</sup>

**Basic type designation: MST25I\*\* = Inst.-coupler with 25A rating Current**

\*\* The temperature rise test has been performed on connector female engaged with plug male marked with 25A 250~ with flexible cable H05VV-F 5G4,0mm<sup>2</sup> see photos below.



4mm<sup>2</sup>



4mm<sup>2</sup>



4mm<sup>2</sup>



Ref. Certif. No.

SE-77914

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

## CB TEST CERTIFICATE

## CERTIFICAT D'ESSAI OC

Product  
Produit

Installation coupler

Name and address of the applicant  
Nom et adresse du demandeur

WIELAND ELECTRIC GMBH  
Postfach  
DE-96045 Bamberg, GERMANY

Name and address of the manufacturer  
Nom et adresse du fabricant

Same as applicant

Name and address of the factory  
Nom et adresse de l'usine  
Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Wieland Electric s.r.o.  
Nadrazni 1557  
356 01 Sokolov/Tschechien  
CZECH REPUBLIC

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

20A 250/400V~, 25A 250V~

Trademark (if any)  
Marque de fabrique (si elle existe)

wieland, 

Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

-

Model / Type Ref.  
Ref. De type

MST20I\*\*, MST25I \*\*

Additional information (if necessary may also be reported on page 2)  
Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2<sup>ème</sup> page)

The \*\* in the model ref. indicates a letter or digit for different feature. See Test Report.

A sample of the product was tested and found to be in conformity with  
Un échantillon de ce produit a été essayé et a été considéré conforme à la

IEC 61535:2009+A1

As shown in the Test Report Ref. No. which forms part of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

1411453STO-001

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Intertek Semko AB  
Box 1103  
SE-164 22 Kista, Sweden  
Int +46 8 750 00 00

Intertek

Signature: 

Fredrik Wennersten

Date: 1 December 2014