

## Equipment marking - EML-ESD (45X5)RL-T - 0830586

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Equipment marking, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 45 x 5 mm, Number of individual labels: 10000

### Your advantages

- ✓ The EML-ESD label is well suited for marking sensitive components on printed-circuit boards
- ✓ The label includes an adhesive that dissipates static electricity, which prevents the transmission of electrostatic voltages and protects the component
- ✓ When combined with the right ink ribbon, the marking is highly resistant to solvents
- ✓ The EML-ESD ... materials are UL-listed
- ✓ Labeling service: Phoenix Contact can custom-label all EML-ESD ... markers in accordance with your requirements

**RoHS**

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 720250 |
| GTIN         | 4046356720250                                                                                           |

### Technical data

#### Dimensions

|            |       |
|------------|-------|
| Length (b) | 5 mm  |
| Width (a)  | 45 mm |

#### Ambient conditions

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 150 °C                                                                                       |
| Ambient temperature (assembly)  | > 4 °C                                                                                                  |
| Recommended storage conditions  | 23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended. |

#### General

|            |                                |
|------------|--------------------------------|
| Color      | white                          |
| Components | free from silicone and halogen |

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## Technical data

### General

|                                                                     |                                     |
|---------------------------------------------------------------------|-------------------------------------|
| Material                                                            | Polyester                           |
| RoHS compliant                                                      | Yes                                 |
| Wipe resistance                                                     | DIN EN 61010-1 (VDE 0411-1)         |
| Number of individual labels                                         | 10000                               |
| Number of individual labels per row                                 | 1                                   |
| Adhesive                                                            | Acrylic                             |
| Printability                                                        | Thermal transfer                    |
| Device                                                              | 1085260 THERMOMARK ROLL 2.0         |
|                                                                     | 0804501 THERMOMARK ROLLMASTER 300   |
|                                                                     | 0804663 THERMOMARK ROLLMASTER 600   |
|                                                                     | 5146723 THERMOMARK ROLL X1          |
|                                                                     | 5146231 THERMOMARK X1.2             |
| Ink ribbon                                                          | 5145384 THERMOMARK-RIBBON 110       |
| Test for substances that would hinder coating with paint or varnish | VW PV 3.10.7:2005-02                |
| Result                                                              | Test passed                         |
| Test specification weathering-resistance                            | Following ISO 4892-2:2013-03        |
| Test duration                                                       | 96 h                                |
| Result of weather resistance test                                   | Test passed                         |
| Salt spray test specification                                       | DIN EN 60068-2-11:2000-02           |
| Test duration                                                       | 96 h                                |
| Salt spray testing result                                           | Test passed                         |
| Wipe resistance of test specification inscriptions                  | DIN EN 61010-1 (VDE 0411-1):2011-07 |
| Result of wipe resistance test                                      | Test passed                         |
| Foil strength                                                       | 52 µm                               |
| Adhesive strength                                                   | 24 µm                               |
| Marking mounting type                                               | adhesive                            |
| File number                                                         | UL-MH48542 / PC-026                 |

### Standards and Regulations

|                                  |                             |
|----------------------------------|-----------------------------|
| Connection in acc. with standard | UL                          |
| Wipe resistance                  | DIN EN 61010-1 (VDE 0411-1) |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27400629 |
| eCl@ss 4.0    | 24190200 |
| eCl@ss 4.1    | 24190200 |
| eCl@ss 5.0    | 27149100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27149100 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27149129 |
| eCl@ss 8.0 | 27149129 |
| eCl@ss 9.0 | 27400629 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000761 |
| ETIM 4.0 | EC000761 |
| ETIM 5.0 | EC001288 |
| ETIM 6.0 | EC001288 |
| ETIM 7.0 | EC001288 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39131504 |
| UNSPSC 18.0   | 39131504 |
| UNSPSC 19.0   | 39131504 |
| UNSPSC 20.0   | 39131504 |
| UNSPSC 21.0   | 39131504 |

### Approvals

#### Approvals

Approvals

UL Recognized

Ex Approvals

#### Approval details

|               |                                                                                     |                                                                                                                                                       |               |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE MH 48542 |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

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