

# LS-EMSP-V4A (75,6X54) CUS - Device marker



0831942

<https://www.phoenixcontact.com/us/products/0831942>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Device marker, Stainless steel label, can be ordered: Piece, labeled according to customer specifications, mounting type: screw, rivet, Number of individual labels: 6, text field height: 54 mm, text field width: 75.6 mm



## Your advantages

- Stainless steel device marking for screwing or riveting
- Easy-to-clean and permanent identification that also meets stringent hygiene requirements
- High resistance to corrosion, acids, and temperatures

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 0831942                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | BG814D                         |
| GTIN                                 | 4046356930697                  |
| Weight per piece (including packing) | 121 g                          |
| Weight per piece (excluding packing) | 121 g                          |
| Country of origin                    | PL                             |

## Technical data

### Product properties

|              |               |
|--------------|---------------|
| Product type | Device marker |
|--------------|---------------|

### Marking

|                             |                      |
|-----------------------------|----------------------|
| Number of individual labels | 6                    |
| Identification technology   | Direct laser marking |

### Dimensions

|        |          |
|--------|----------|
| Width  | 85.00 mm |
| Height | 53.70 mm |
| Depth  | 0.50 mm  |
| Length | 53.7 mm  |

### Text field

|                   |         |
|-------------------|---------|
| Text field width  | 75.6 mm |
| Text field height | 54 mm   |

### Material specifications

|                       |  |
|-----------------------|--|
| Color                 | silver-colored                           |
| Material              | V4A                                      |
| Base element material | V4A (1.4404; AISI 316L)                  |
| Components            | free from silicone, halogen, and cadmium |

### Environmental and real-life conditions

#### Ambient conditions

|   |                   |
|---|-------------------|
| Ambient temperature (operation)                     | -80 °C ... 350 °C |
| Recommended ambient temperature (storage/transport) | 23 °C             |
| Recommended humidity (storage/transport)            | 50 %              |

#### Test for substances that would hinder coating with paint or varnish

|   |                         |
|---|-------------------------|
| Testing for paint wetting impairment substances (LABS-conformity) | VDMA 24364-A1-L:2018-05 |
| Result  | Test passed             |

#### Scratch resistance

|               |                                |
|---------------|--------------------------------|
| Specification | EN ISO 1518-1:2023 (following) |
|---------------|--------------------------------|

#### Tesafilm test

|               |                                     |
|---------------|-------------------------------------|
| Specification | DIN EN ISO 2409:2020-12 (following) |
| Result        | Test passed                         |

#### UV resistance

|               |                                       |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 4892-2:2021-11 (following) |
| Result        | Test passed                           |

# LS-EMSP-V4A (75,6X54) CUS - Device marker



0831942

<https://www.phoenixcontact.com/us/products/0831942>

|               |                         |
|---------------|-------------------------|
| Test duration | 96 h                    |
| Procedure     | Artificial irradiation. |

## Temperature storage

|                         |                       |
|-------------------------|-----------------------|
| Specification           | IEC 60068-2-2:2007-07 |
| Result                  | Test passed           |
| Procedure               | Test Bb               |
| Duration                | 240 h                 |
| Temperature for testing | 350 °C                |

## Temperature resistance

|                        |                                 |
|------------------------|---------------------------------|
| Specification          | ANSI/UL 969-2018:03 (following) |
| Test duration          | 240 h                           |
| Rating 225 °C (250 °C) | Test passed                     |

## Wipe resistance of inscriptions

|   |   |
|---|---|
| Specification                                     | DIN EN 61010-1 (VDE 0411-1):2011-07<br>DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0]                       | Test passed   |
| n-Hexane<br>[CAS No. 110-54-3]                    | Test passed   |
| Water + Petroleum ether<br>[CAS No. 64742-82-1]   | Test passed   |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed   |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed   |
| Acetone (99 %)<br>[CAS No. 67-64-1]               | Test passed   |

## Immersion in chemicals, oil & fuel

|   |                          |
|---|--------------------------|
| Specification                                 | ISO 175:2010 (following) |
| Test duration                                 | 168 h                    |
| Saltwater (saturated 350 g/l)<br>[CAS No. - ] | Test passed              |
| Ethanol (99 %)<br>[CAS No. 64-17-5]           | Test passed              |
| Acetone (99 %)<br>[CAS No. 67-64-1]           | Test passed              |
| Methylethylketone (MEK)<br>[CAS No. 78-93-3]  | Test passed              |
| IRM 901                                       | Test passed              |
| IRM 902                                       | Test passed              |
| IRM 903                                       | Test passed              |

## Testing in a condensation changing climate in the presence of sulfur dioxide

|               |                          |
|---------------|--------------------------|
| Specification | DIN EN ISO 22479:2022-08 |
| Result        | Test passed              |
| Procedure     | Method B                 |

# LS-EMSP-V4A (75,6X54) CUS - Device marker



0831942

<https://www.phoenixcontact.com/us/products/0831942>

|        |   |
|--------|---|
| Cycles | 2 |
|--------|---|

## Salt spray test

|               |   |
|---------------|---|
| Specification | DIN EN IEC 60068-2-11 (VDE 0468-2-11):2022-10 |
| Result        | Test passed                                   |
| Test duration | 96 h  |

## Salt spray test

|               |                  |
|---------------|------------------|
| Specification | ISO 9227:2017-03 |
| Result        | Test passed      |
| Test duration | 336 h            |

## Standards and regulations

|                 |                             |
|-----------------|-----------------------------|
| Wipe resistance | DIN EN 61010-1 (VDE 0411-1) |
|-----------------|-----------------------------|

## Mounting

|               |              |
|---------------|--------------|
| Mounting type | screw, rivet |
|---------------|--------------|

# LS-EMSP-V4A (75,6X54) CUS - Device marker



0831942

<https://www.phoenixcontact.com/us/products/0831942>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27281103 |
| ECLASS-15.0 | 27281103 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001288 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131500 |
|-------------|----------|

# LS-EMSP-V4A (75,6X54) CUS - Device marker



0831942

<https://www.phoenixcontact.com/us/products/0831942>

## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)