

LS-EMP-AL (27X18) BK CUS - Device marker



0831956

<https://www.phoenixcontact.com/us/products/0831956>

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Device marker, Aluminum label, can be ordered: Piece, black (RAL 9005), labeled according to customer specifications, mounting type: snapped into marker carrier, Number of individual labels: 35



Your advantages

- Aluminum equipment marking for snapping into marker carriers
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 0831956 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | BG814D |
| GTIN | 4046356930789 |
| Weight per piece (including packing) | 9.99 g |
| Weight per piece (excluding packing) | 9.99 g |
| Country of origin | PL |

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Technical data

Product properties

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

Marking

| | |
|-----------------------------|----------------------|
| Number of individual labels | 35 |
| Identification technology | Direct laser marking |

Dimensions

| | |
|--------|----------|
| Width | 27.00 mm |
| Height | 17.60 mm |
| Depth | 0.80 mm |
| Length | 17.6 mm |

Material specifications

| | |
|-----------------------|--|
| RoHS compliant | yes |
| Color | black (RAL 9005) |
| Base element material | Aluminum |
| Components | free from silicone, halogen, and cadmium |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 70 °C (At temperatures above 80 °C there might be a slight change to the material surface) |
| 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) | VW PV 3.10.7:2005-02 |
| Result | Test passed |

Test for substances that would hinder coating with paint or varnish

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

Tesafilm test

| | |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result | Test passed |

UV resistance

| | |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result | Test passed |
| Test duration | 96 h |

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| | |
|-----------|-------------------------|
| Procedure | Artificial irradiation. |
|-----------|-------------------------|

Weathering-resistance

| | |
|---------------|--------------------|
| Specification | ISO 4892-2:2013-03 |
| Result | Test passed |
| Test duration | 1500 h |
| Procedure | A |

Temperature resistance

| | |
|------------------------|---------------------------------|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 150 °C (180 °C) | Test passed |

Wipe resistance of inscriptions

| | |
|---|--|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03 DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed |
| n-Hexane [CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether [CAS No. 64742-82-1] | Test passed |
| Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %) [CAS No. 64-17-5] | Test passed |
| Acetone (99 %) [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) [CAS No. -] | Test passed |
| Ethanol (99 %) [CAS No. 64-17-5] | Test passed |
| Acetone (99 %) [CAS No. 67-64-1] | Test passed |
| Methylethylketone (MEK) [CAS No. 78-93-3] | Test passed |
| Gasoline [CAS No. 64742-49-0] | Test passed |
| Diesel [CAS No. 68476-34-6] | 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 50018:2013-05 |
|---------------|-------------------|

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| | |
|---------------|-------------|
| Result | Test passed |
| Climate level | AHT 1.0 S |
| Cycles | 2 |

Salt spray test

| | |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result | Test passed |
| Test duration | 96 h |

Salt spray test

| | |
|---------------|------------------|
| Specification | ISO 9227:2012-05 |
| Result | Test passed |
| Test duration | 336 h |

High pressure test

| | |
|---------------|-------------------|
| Specification | ISO 20653:2013-02 |
| Result | Test passed |
| IP-Code | IP X9K |

Standards and regulations

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

Mounting

| | |
|---------------|-----------------------------|
| Mounting type | snapped into marker carrier |
|---------------|-----------------------------|

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Classifications

ECLASS

ECLASS-13.0

27281106

ETIM

ETIM 9.0

EC001530

UNSPSC

UNSPSC 21.0

39131700

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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% |
|-------------------------------------|----------------------------|

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