



PRODUCT-DETAILS

# CM-ENE MIN

## CM-ENE MIN Liquid level relay 1n/o, 220-240VAC



| General Information   |   |
|-----------------------|---|
| Extended Product Type | CM-ENE MIN  |
| Product ID            | 1SVR550851R9500   |
| EAN                   | 4013614348082   |
| Catalog Description   | CM-ENE MIN Liquid level relay 1n/o, 220-240VAC  |
| Long Description      | The CM-ENE MIN belongs to the CM liquid level monitoring relay range. It operates with a rated control supply voltage of 220-240 V AC and has a 1 n/o output contact. It protects pumps against dry running. The output relay works according to the open-circuit principle. The sensitivity is 0-100 kOhm fixed. The device offers screw connection terminals. |

| Ordering               |               |
|------------------------|---------------|
| EAN                    | 4013614348082 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

| Popular Downloads                 |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | 2CDC110004C0210_02 |
| Instructions and Manuals          | 1SVC550520M0000    |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 22.5 mm  |
| Product Net Height         | 78 mm    |
| Product Net Depth / Length | 78.5 mm  |
| Product Net Weight         | 0.106 kg |

Technical

|   |   |
|---|---|
| Function  | Draining monitoring   |
| Sub-Function  | Dry running protection  |
| Number of Electrodes                                | 2   |
| Measuring Range                                     | 0 ... 100 kΩ  |
| Rated Control Supply Voltage (U <sub>s</sub> )      | 220 ... 240 V AC  |
| Rated Frequency (f)                                 | Supply Circuit 50/60 Hz   |
| Output  | 1 n/o contact   |
| Terminal Type                                       | Screw Terminals   |
| Rated Operational Current AC-12 (I <sub>θ</sub> )   | (230 V) 4 A   |
| Rated Operational Current AC-15 (I <sub>θ</sub> )   | (230 V) 3 A   |
| Rated Operational Current DC-12 (I <sub>θ</sub> )   | (24 V) 4 A  |
| Rated Operational Current DC-13 (I <sub>θ</sub> )   | (24 V) 2 A  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | Measuring Circuit / Output Circuit 4 kV<br>Supply Circuit / Measuring Circuit 4 kV<br>Supply Circuit / Output Circuit 4 kV    |
| Rated Insulation Voltage (U <sub>i</sub> )          | Measuring Circuit / Output Circuit 250 V<br>Supply Circuit / Measuring Circuit 250 V<br>Supply Circuit / Output Circuit 250 V |
| Degree of Protection                                | Housing IP50<br>Terminals IP20  |
| Short-Circuit Protective Devices                    | Output Circuit NO - F Type Fuses 10 A   |
| Connecting Capacity                                 | Flexible with Ferrule 2x 0.75 ... 1.5 mm²<br>Flexible 2x 1 ... 1.5 mm²<br>Rigid 2x 0.75 ... 1.5 mm²                           |
| Tightening Torque                                   | 0.6 ... 0.8 N·m   |
| Wire Stripping Length                               | 10 mm   |
| Mounting Position                                   | 1 ... 6   |
| Mounting on DIN Rail                                | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715                |
| Standards   | CAN/CSA C22.2 No.14<br>IEC/EN 63000<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>UL 508   |

Technical UL/CSA

|                                  |   |
|----------------------------------|---|
| Maximum Operating Voltage UL/CSA | Output Circuit 300 V AC   |
| Contact Rating UL/CSA            | B300  |
| Connecting Capacity UL/CSA       | Flexible with Ferrule 2x 18-16 AWG<br>Flexible 2x 18-16 AWG<br>Rigid 2x 18-16 AWG |

|                   |            |
|-------------------|------------|
| Tightening Torque | 7.08 in-lb |
| UL/CSA            |            |

Environmental

|   |  |
|---|--|
| Ambient Air Temperature                   | Operation -20 ... +60 °C<br>Storage -40 ... +85 °C |
| Maximum Operating<br>Altitude Permissible | Without Derating 2000 m                            |

Material Compliance

|   |                                   |
|---|-----------------------------------|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                   |
| REACH Declaration                                 | 1SVD981001-4501                   |
| RoHS Information                                  | 1SVD981001-4401                   |
| RoHS Status                                       | Following EU Directive 2011/65/EU |
| Toxic Substances Control<br>Act - TSCA            | 2CMT2023-006536                   |

Certificates and Declarations

|                                     |                      |
|-------------------------------------|----------------------|
| CB Certificate                      | CB_DK-8880           |
| CCC Certificate                     | CCC 2013010303605960 |
| CQC Certificate                     | CQC2013010303605960  |
| cUL Certificate                     | cUL508_E140448       |
| Declaration of Conformity<br>- CCC  | 2020980303000202     |
| Declaration of Conformity<br>- CE   | 1SVD981024-00        |
| Declaration of Conformity<br>- UKCA | 1SVD981024-10        |
| UL Certificate                      | UL508_E140448        |

Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 23 mm         |
| Package Level 1 Depth /<br>Length | 82 mm         |
| Package Level 1 Height            | 82 mm         |
| Package Level 1 Gross<br>Weight   | 0.118 kg      |
| Package Level 1 EAN               | 4013614348082 |

Classifications

|                            |  |
|----------------------------|--|
| Object Classification Code | B  |
| ETIM 7                     | EC001447 - (Fill) level monitoring relay |
| ETIM 8                     | EC001447 - (Fill) level monitoring relay |
| ETIM 9                     | EC001447 - (Fill) level monitoring relay |
| eClass                     | V11.0 : 27371813                         |
| UNSPSC                     | 39122331                                 |
| E-Number (Finland)         | 2712850                                  |
| E-Number (Norway)          | 4187268                                  |
| E-Number (Sweden)          | 3860805                                  |

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## Categories

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Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Liquid Level Monitors and Controls → CM-Enx

