

# ALO-E R21



## Article features

- This calibrated current transformer is suitable for billing purposes
- The design is approved by the Physikalisch Technische Bundesanstalt (PTB) Braunschweig
- This clip-on current transformer is mostly used for new installations, as the circuit must be interrupted here.
- Short-circuiting of the current transformer when the secondary terminal cover is open.
- More economical cable routing and lower power loss due to elimination of the transformer disconnect terminal.
- Easy handling facilitated by a rotatable and sealable secondary terminal cover.
- Suitable for both floor and side mounting.
- Most cost-effective and most common variant
- Simply plug the transformer onto the primary conductor (no need for complex wiring)
- Currently the most compact design on the market, thus wonderfully suitable for the control cabinet
- Other areas of application are machine and plant construction.

## Technical data

|                            |                 |
|----------------------------|-----------------|
| Round conductor            | Ø 20 mm         |
| Dimensions (W × H × D)     | 44 × 68 × 31 mm |
| Instrument security factor | FS 5            |

## Types (94)

| Output | Cl.   | Rated current A      |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |
|--------|-------|----------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|        |       | 100                  | 125                                                                                              | 150                                                                                              | 200                                                                                              | 250                                                                                              | 300                                                                                              | 400                                                                                              |
| 1 A    | 0.2   | –                    | –                                                                                                | –                                                                                                | –                                                                                                | –                                                                                                | 1 VA 70142-1851-0100                                                                             | 1 VA 70142-1855-0150<br>1.5 VA 70142-1854-0150<br>2.5 VA 70142-1855-0500                         |
|        | 0.5   | 1 VA 70142-0065-0100 | 1 VA 70142-0073-0100<br>1.5 VA 70142-0075-0150<br>2 VA 70142-0077-0200<br>2.5 VA 70142-0079-0250 | 1 VA 70142-0089-0100<br>1.5 VA 70142-0089-0150<br>2 VA 70142-0091-0200<br>2.5 VA 70142-0093-0250 | 1 VA 70142-0103-0100<br>1.5 VA 70142-0103-0150<br>2.5 VA 70142-0105-0250<br>5 VA 70142-0107-0500 | 1 VA 70142-1847-0250<br>1.5 VA 70142-1847-0150<br>2.5 VA 70142-1848-0100<br>5 VA 70142-1847-0500 | 1 VA 70142-1851-0250<br>1.5 VA 70142-1850-0100<br>2.5 VA 70142-1852-0100                         | 1 VA 70142-1855-0100<br>1.5 VA 70142-1854-0100<br>2.5 VA 70142-1856-0150<br>5 VA 70142-1856-0250 |
|        | 0.5 S | –                    | –                                                                                                | –                                                                                                | 1 VA 70142-1845-0100<br>1.5 VA 70142-1845-0150<br>2 VA 70142-1845-0200<br>2.5 VA 70142-1845-0250 | 1 VA 70142-1848-0150<br>1.5 VA 70142-1847-0100<br>2.5 VA 70142-1848-0250                         | 1 VA 70142-1852-0150<br>1.5 VA 70142-1851-0150<br>2.5 VA 70142-1852-0250                         | 1 VA 70142-1855-0250<br>1.5 VA 70142-1854-0250<br>2.5 VA 70142-1856-0100<br>5 VA 70142-1856-0500 |
| 5 A    | 0.2   | –                    | –                                                                                                | –                                                                                                | –                                                                                                | –                                                                                                | –                                                                                                | 1 VA 70142-1857-0250<br>1.5 VA 70142-1857-0150<br>2.5 VA 70142-1858-0150                         |
|        | 0.5   | 1 VA 70142-0070-0100 | 1 VA 70142-0082-0100<br>1.5 VA 70142-0084-0150<br>2 VA 70142-0086-0200                           | 1 VA 70142-0096-0100<br>1.5 VA 70142-0096-0150<br>2 VA 70142-0098-0200<br>2.5 VA 70142-0100-0250 | 1 VA 70142-0110-0100<br>1.5 VA 70142-0110-0150<br>2.5 VA 70142-0112-0250<br>5 VA 70142-0114-0500 | 1 VA 70142-0119-0100<br>1.5 VA 70142-0119-0150<br>2.5 VA 70142-0121-0250<br>5 VA 70142-0123-0500 | 1 VA 70142-0128-0100<br>1.5 VA 70142-0128-0150<br>2.5 VA 70142-0130-0250<br>5 VA 70142-0132-0500 | 1 VA 70142-0137-0100<br>1.5 VA 70142-0137-0150<br>2.5 VA 70142-0139-0250<br>5 VA 70142-0141-0500 |
|        | 0.5 S | –                    | –                                                                                                | –                                                                                                | 1 VA 70142-1846-0100<br>1.5 VA 70142-1846-0150<br>2 VA 70142-1846-0200<br>2.5 VA 70142-1846-0250 | 1 VA 70142-1849-0100<br>1.5 VA 70142-1849-0150<br>2.5 VA 70142-1849-0250<br>5 VA 70142-1849-0500 | 1 VA 70142-1853-0100<br>1.5 VA 70142-1853-0150<br>2.5 VA 70142-1853-0250<br>5 VA 70142-1853-0500 | 1 VA 70142-1857-0500<br>1.5 VA 70142-1857-0100<br>2.5 VA 70142-1858-0100<br>5 VA 70142-1858-0500 |

| 500 |       |                                                                          |
|-----|-------|--------------------------------------------------------------------------|
| 5 A | 0.2   | 1 VA 70142-1860-0100<br>1.5 VA 70142-1859-0150                           |
|     | 0.2 S | 1 VA 70142-1860-0250<br>1.5 VA 70142-1859-0100                           |
|     | 0.5   | 1.5 VA 70142-0145-0150<br>2.5 VA 70142-0147-0250<br>5 VA 70142-0149-0500 |
|     | 0.5 S | 1.5 VA 70142-1860-0150<br>5 VA 70142-1861-0500                           |

Special designs on request:

- any primary and secondary rated currents
- operating voltage series 1 (1,2kV)
- Cast resin grouting