Residual current circuit breakers with overcurrent protection PFI 2

- device is a combination of residual current circuit breaker and circuit breaker for rated current 6, 10, 16, 20, 25, 32, 40 A
- they are used in house and similar installations
- protection against:
  - additional protection in the even direct contact
  - indirect contact
  - fire
  - overcurrents
  - short circuit (breaking capacity 10 kA)
- range of rated residual operating current $I_{\Delta n}$ is 10, 30, 100, 300, 500 mA ($I_{\Delta n} = 10$ mA for devices with rated current up to 25 A including)
- tripping characteristics B, C according STN EN 61 009-1
- simple assembly with spring clamps to the strip 35 x 7,5 EN 60 715
- sealable in on and off position
- optical state indicator on the front side indicating operation state of device (green target visible – closed contacts, red target visible – opened contacts)
- connected clamp headed/stirrupted range of connecting wires 1,5 - 25 mm²
- working position optional
- there is a possibility to use auxiliary contacts
- device is compatible with circuit breakers dimensions PR 60, PRe 60, PRe 40

Technical data

<table>
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<tr>
<th>Standards</th>
<th>EN 61 009-1</th>
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<tr>
<td>Number of poles</td>
<td>2</td>
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<tr>
<td>Rated current $I_{n}$ (A)</td>
<td>6, 10, 16, 25, 32, 40</td>
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<td>Tripping characteristics</td>
<td>B, C</td>
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<td>Rated voltage $U_n$ (V)</td>
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<td>Rated frequency (Hz)</td>
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<td>Rated residual current $I_{\Delta n}$ (mA)</td>
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<td>Type of residual operating current</td>
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<td>Instantaneous tripping characteristics</td>
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<td>Short circuit breaking capacity (kA)</td>
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<td>Mechanical endurance (switching cycles)</td>
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<td>Connecting clamps</td>
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<td>Connecting wires (mm²)</td>
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<td>Mounting</td>
<td>on DIN rail 35 x 7,5 EN 60 715</td>
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<td>Degree of protection</td>
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<td>Ambient air temperature (°C)</td>
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<td>Aproved</td>
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<td>Accessories</td>
<td>auxiliary and signal changeover contacts</td>
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Dimensional drawing of PFI 2
Residual current circuit breakers with overcurrent protection PFI 2

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### Connecting scheme

![Connecting scheme diagram](image-url)
Tripping characteristics of PFI 2

$In = 6 - 40 \text{ A}$