

# Work safety meets maximum system availability



The prewired DEHNventil ACI combined arrester (type 1 + 2 + 3) provides protection and safety in and at the supply point of the low-voltage main distribution board. This is what we call the "no worries principle" with DEHN ACI technology.

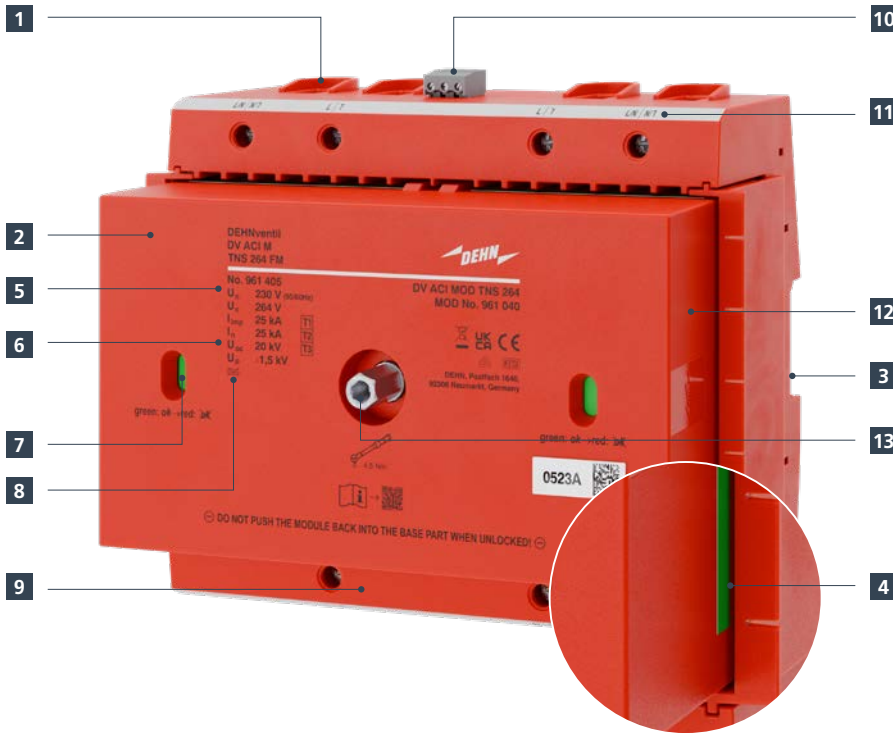
## Your benefits at a glance:

**Innovative product concept for safer work.** An automatic, electrical disconnection function of the protection module in the event of a defect means that the module can be replaced safely during operation and in compliance with industrial safety regulations. The protection module can also be removed from the side or front. This enables safe replacement in any installation situation.

**Easy compliance with normative requirements.** The absence of a backup fuse and direct mounting on an earthed DIN rail or busbar make it easy to comply with the cable length of max. 0.5 m as specified in IEC 60364-5-53.

**DEHN ACI technology for practical installation.** The integrated ACI technology eliminates the need for a backup fuse. In addition, a wiring cross-section of 16 mm<sup>2</sup> (Cu) is always sufficient. This saves time during selection and installation, eliminates errors and provides certainty with dimensioning.

## Product features at a glance



1. **Connecting cable:** 16 mm<sup>2</sup> (Cu) cross-sectional area, always sufficient
2. **Module replacement on 3 sides:** ability to replace the module from the side and the front
3. **PE connection:** contact via earthed DIN rails or PE busbars possible
4. **Visual disconnection indicator:** standard-compliant electrical isolation of the single module from the power supply in the event of a defect
5. **High performance parameters:** 100 kA lightning current carrying capability with a low protection level  $\leq 1.5$  kV
6. **Maximum prospective short-circuit current:** 100 kA<sub>rms</sub>
7. **Status indication**
8. **ACI technology with integrated switch/spark gap combination:** renders a backup fuse redundant
9. **180°-rotated installation possible**
10. **Remote signalling contact:** for easy remote monitoring
11. **Flexible connection:** neutral conductor left or right
12. **Single module:** single module for wiring the arrester
13. **Secure fixing of the module:** screwed to base part; released with socket wrench AF10 or 6-mm hex socket

## Technical data

Type	DV ACI M ... 264 FM
SPD as per EN 61643-11	Type 1 + type 2 + type 3
Max. continuous operating voltage (U <sub>c</sub> )	264 V (50 / 60 Hz)
Lightning impulse current (10/350 μs) per pole (I <sub>imp</sub> )	25 kA (100 kA total)
Total current [TNC/TNS] (I <sub>total</sub> )	75 kA / 100 kA
Protection level [L-N]/[N-PE] (U <sub>p</sub> )	$\leq 1.5$ kV
Integrated overcurrent protection	Yes, ACI technology
Follow current extinguishing capability	100 kA <sub>rms</sub>
Width	11 standard DIN modules
TOV (U <sub>T</sub> ) - characteristic	440 V / 120 min. - withstand

Available end of 2024



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