



ARF566D

**RCBO with dangerous arc detection 16A C curve 10kA Type A 30mA**

**Technical Features**

**Electric current**

Rated current	16 A
Rated current -25°C	19.92 A
Rated current at -20°C	19.60 A
Rated current -15°C	19.27 A
Rated current -10°C	18.93 A
Rated current -5°C	18.59 A
Rated current at 0°C	18.24 A
Rated current 5°C	17.89 A
Rated current 10°C	17.53 A
Rated current 15°C	17.16 A
Rated current at 20°C	16.78 A
Rated current 25°C	16.40 A
Rated current 30°C	16 A
Rated current 35°C	15.59 A
Rated current at 40°C	15.18 A
Rated current at 45°C	14.75 A
Rated current at 50°C	14.31 A
Rated current 55°C	13.86 A
Rated current 60°C	13.39 A
Rated current 65°C	12.90 A
Rated current 70°C	12.39 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 61009-1	10 kA

**Architecture**

Curve	C
Type of pole	1P+N

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	10 kA
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**Installation, mounting**

Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm

**Electric current**

Breaking and opening capacity I <sub>dm</sub>	10 kA
Rated residual operating current I <sub>dn</sub>	30 mA

**Voltage**

Rated insulation voltage U <sub>i</sub>	500 V
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**Safety**

Residual current type	A
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Rated operational voltage U <sub>e</sub>	230 - 230 V

**Power**

Total power loss under I <sub>N</sub>	5.76 W
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**Use conditions**

Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C

**Endurance**

Number of mechanical operations	4000
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**Endurance**

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Electric endurance in number of cycles	2000
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**Installation, mounting**

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Nominal tightening torque	2.10 - 2.10 Nm
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Type of bottom connection for modular devices	Screw terminal
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Type of top connection for modular devices	Screw terminal
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**Capacity**

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Number of modules	3
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**Dimensions**

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Height	83 mm
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Width	53.20 mm
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Depth	70 mm
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**Connection**

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Cross-section of output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
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Cross-section of output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
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Cross-section of input with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
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Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>
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**Frequency**

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Frequency	50 - 50 Hz
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**Sustainability**

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RoHS conform	Yes
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