



AEX490C

**RCBO 4P 10kA C-40A 100mA type A**

**Technical Features**

**Electric current**

Rated current	40 A
Rated residual operating current I <sub>dn</sub>	100 mA
Rated short-circuit breaking capacity I <sub>cn</sub> under 400 V AC according to IEC 60898-1	10 kA
Rated current -25°C	49.80 A
Rated current at -20°C	49 A
Rated current -15°C	48.20 A
Rated current -10°C	47.30 A
Rated current -5°C	46.50 A
Rated current at 0°C	45.60 A
Rated current 5°C	44.70 A
Rated current 10°C	43.80 A
Rated current 15°C	42.90 A
Rated current at 20°C	42 A
Rated current 25°C	41 A
Rated current 30°C	40 A
Rated current 35°C	38.90 A
Rated current at 40°C	37.70 A
Rated current at 45°C	36.50 A
Rated current at 50°C	35.20 A
Rated current 55°C	33.90 A
Rated current 60°C	32.60 A

**Architecture**

Curve	C
Number of poles	4
Neutral position	Left Right
Type of pole	4P
Number of protected poles	4

**Capacity**

Number of modules	4
-------------------	---

**Safety**

Residual current type	A
Ingress Protection (IP) class	IP20

**Voltage**

Type voltage supply	AC
---------------------	----

**Electric current**

Rated service breaking capacity I <sub>cs</sub> AC according to IEC 60898-1	10 kA
---	-------

**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 400 V
Rated insulation voltage U <sub>i</sub>	500 V
Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage U <sub>imp</sub>	4000 V

**Main electrical attributes**

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

**Installation, mounting**

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

**Frequency**

Frequency	50 - 50 Hz
-----------	------------

---

**Connection**

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

---

**Installation, mounting**

Nominal tightening torque	2 - 2 Nm
360° mounting position possible	Yes

---

**Use conditions**

Class of energy limitation I <sup>2</sup> t	3
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 - 40 °C

---

**Dimensions**

Height	84 mm
Width	71 mm
Depth	70 mm

---

**Installation, mounting**

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

---

**Connectivity**

Type of connection	Screw terminal
--------------------	----------------

---

**Power**

Total power loss under IN	17.70 W
---------------------------	---------

---

**Sustainability**

RoHS conform	Yes
--------------	-----