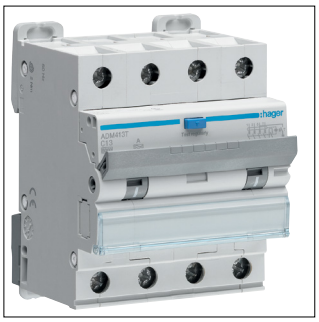
Product Datasheet
AEM440T



AEM440T

RCBO 4P 6kA C-40A 100mA A

Technical Features

Electric current	
Rated current	40 A
Rated residual operating current Idn	100 mA
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
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 61009-1	6 kA
Architecture	
Curve	C
Neutral position	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
Rated operational voltage Ue	230 - 415 V
Rated insulation voltage Ui	500 V
Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage Uimp	4000 V
Overvoltage category according to IEC 60947-1	3
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Installation, mounting	
Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm
Frequency	
Frequency	50 - 50 Hz
Connection	
Cross-section of input with screws, for flexible conductors	1 - 16 mm^2
Cross-section of input with screws, for massive conductors	1 - 25 mm^2

Installation, mounting	
Nominal tightening torque	2 - 2 Nm
360° mounting position possible	Yes
Use conditions	
Class of energy limitation I^2t	3
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 Bypass
Power	
Total power loss under IN	17.70 W
Sustainability	
RoHS conform	Yes