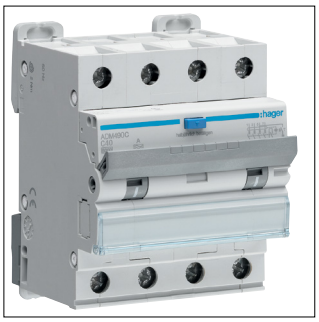
Product Datasheet
ADM490C



ADM490C

RCBO 4P 6kA C-40A 30mA A Class

Technical Features

Architecture	
Type of pole	4P
Number of protected poles	4
Curve	C
Electric current	
Rated current IN	40 A
Rated residual operating current Idn	30 mA
Rated current at -25°C	50.07 A
Rated current at -20°C	49.15 A
Rated current at -15°C	48.24 A
Rated current at -10°C	47.32 A
Rated current at -5°C	46.41 A
Rated current at 0°C	45.49 A
Rated current at 5°C	44.58 A
Rated current at 10°C	43.66 A
Rated current at 15°C	42.75 A
Rated current at 20°C	41.83 A
Rated current at 25°C	40.92 A
Rated current at 30°C	40 A
Rated current at 35°C	38.81 A
Rated current at 40°C	37.61 A
Rated current at 45°C	36.42 A
Rated current at 50°C	35.23 A
Rated current at 55°C	34.03 A
Rated current at 60°C	32.84 A
Correction factor of rating current for 2 devices placed side by side	0.80
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Safety	
Residual current type	A
Ingress Protection (IP) class	IP2X
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Voltage	
Rated insulation voltage Ui	500 V
Electric current	
Rated service breaking capacity Ics AC according to IEC 60898-1	6 kA
Voltage	
Rated impulse withstand voltage Uimp	4000 V
Rated operational voltage Ue	230 - 400 V
Overvoltage category according to IEC 60947-1	3
Type voltage supply	AC
Dielectric strength value of power frequency	2 kV
Power	
Power dissipation at IN	17.70 W
Frequency	
Frequency	50 - 50 Hz
Use conditions	
Max. altitude	2000 m

Installation, mounting	
Nominal tightening torque down terminal	2 - 2 Nm
Nominal tightening torque top terminal	2 - 2 Nm
Use conditions	
Class of energy limitation I^2t	3
Endurance	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
Connection	
Cross-section of top terminal with screws, for flexible conductors	1 - 16 mm^2
Cross-section of top terminal with screws, for rigid conductors	1 - 25 mm^2
Capacity	
Number of modules	4
Installation, mounting	
Type of bottom connection for modular devices	biconnect
Dimensions	
Height	84 mm
Width	71 mm
Depth	70 mm
Use conditions	
Operating temperature	-25 - 40 °C
Storage/transport temperature	-55 - 70 °C
Connection	
Cross-section of top and bottom terminal with screws, for flexible conductors	1 - 16 mm^2
Cross-section of top and bottom terminal with screws, for rigid conductors	1 - 25 mm^2
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Sustainability	
RoHS conform	Yes