NT340C

MCB 3P 10kA C-40A 3M

Technical characteristics

Architecture	
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Fixing mode	DIN rail type O (symmetrical)
Curve	C
Functions	
Concurrently switching N-neutral	
Configuration	
Number of modules	3
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	415 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	40 A
Rated service breaking capacity Ics AC according IEC 60898-1	7,5 kA
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 In
Magnetic regulating currrent	5 / 10 In
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	10 kA
Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	10 kA
Electric current / temperature	
Rating current -25°C	50,4 A
Rating current -20°C	49,6 A
Rating current -15°C	48,7 A
Rating current -10°C	47,8 A

Rating current -5°C	46,9 A
Rating current 0°C	46 A
Rating current 30°C	40 A
Rating current 35°C	38,9 A
Rating current 40°C	37,8 A
Rating current 45°C	36,6 A
Rating current 50°C	35,4 A
Rating current 55°C	34,2 A
Rating current 60°C	32,9 A
Rating current 65°C	31,8 A
Rating current 70°C	30,6 A
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	0,95
Correction factor of rating current for 4 and 5 devices placed side-by-side	0,9
Correction factor of rating current for 6 devices placed side-by-side	0,85
Correction factor of magnetic tripping with 100 Hz	1,1
Correction factor of magnetic tripping with 200 Hz	1,2
Correction factor of magnetic tripping with 400 Hz	1,5
Correction factor of magnetic tripping with 60 Hz	1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	52,5 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Total power loss under IN	18,7 W
Power loss per pole at In	8,44 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic isolated
Type of Bottom Connection for modular devices	BIconnect
Top removability for modular devices	
Bottom removability for modular devices	
Connection	

Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm²
Type of connection	with screw
Standards	
Standard text	IEC 60898-1 AS/NZS 60898-1
Safety	
Protection index IP	IP20
Use conditions	
Operating temperature	-25…70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I^2t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-25…80 °C