

MCB 1P 10kA B-63A 1M

NBN163

Architecture

without neutral
1
1 P
1 P
В
Aligned terminal
Aligned terminal
50/60 Hz
AC
230/400 V
12 V
500 V
6000 V
3 kA
3/5 ln
4/7 ln
1,13/1,45 ln
1,13/1,45 ln
78,07 A
79,57 A

73,54 A

70,52 A

76,54 A

67,47 A

69 A

Rating current 0°C

Rating current 10°C

Rating current -10°C

Rating current 15°C

Rating current 20°C



Technical Properties	
Rating current 25°C	65,95 A
Rating current -25°C	81,04 A
Rating current 30°C	63 A
Rating current 35°C	62.03 A
Rating current 40°C	60.5 A
Rating current 45°C	58,68 A
Rating current 5°C	72,03 A
Rating current -5°C	75,05 A
Rating current 50°C	58.27 A
Rating current 55°C	52,8 A
Rating current 60°C	50,51 A
Rating current 65°C	48,12 A
Rating current 70°C	45,6 A
nating current to 0	40,0 A
Current correction factors	
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	1,1
Correction factor of rating current for 2 devices placed	•
side-by-side	•
Correction factor of rating current for 3 devices placed	10.95
side-by-side	
Correction factor of rating current for 4 and 5 devices	0.9
placed side-by-side	
Correction factor of rating current for 6 devices placed	10,85
side-by-side	
•	
Power	
Power loss per pole at In	5,73 W
Total power loss under IN	5,73 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	17,5 mm
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of bottom rail clip for modular devices	plastic
Type of top rail clip for modular devices	NA
Type of Bottom Connection for modular devices	Blconnect
Bottom removability for modular devices	yes
Top removability for modular devices	yes

Connection

Connection cross-sect. rigid cable	1 / 35mm²
Connection cross-sect. flexible conductor	1 / 25mm²
Type of connection	with screw
Connection cross section of access and exit with screws, for flexible conductor	1/25 mm²
Connection cross-section of input and output with screws, for massive conductors	1/35 mm²

Standard text	EN 60898-1
European directive WEEE	concerned

Safety

B	IDOO
Protection index IP	IP20

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 70 °C
Class of energy limitation I2t	3
Altitude	2000 m
Storage temperature	-25 to 80 °C
Air humidity protection	for all climates
Storage/transport temperature	-25 80 °C