



NBN363A



MCB 3P 10kA/15kA B-63A 3M

Technical properties

	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Fixing mode	Din-Rail
Curve	В
Functions	
Concurrently switching N-neutral	No
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	400 V
Type of supply voltage	
	AC
Voltage	AC
Voltage Rated insulation voltage	AC 500 V
Rated insulation voltage	500 V
Rated insulation voltage Rated impulse withstand voltage	500 V 6000 V
Rated insulation voltage Rated impulse withstand voltage Minimum threshold voltage (Ue min)	500 V 6000 V
Rated insulation voltage Rated impulse withstand voltage Minimum threshold voltage (Ue min) Electric current	500 V 6000 V 12 V
Rated insulation voltage Rated impulse withstand voltage Minimum threshold voltage (Ue min) Electric current Rated current Rated service breaking capacity Ics AC	500 V 6000 V 12 V 63 A
Rated insulation voltage Rated impulse withstand voltage Minimum threshold voltage (Ue min) Electric current Rated current Rated service breaking capacity Ics AC according IEC 60898-1 min/maxi threshold value of the AC thermal	500 V 6000 V 12 V 63 A 7.5 kA 1.13 / 1.45 In
Rated insulation voltage Rated impulse withstand voltage Minimum threshold voltage (Ue min) Electric current Rated current Rated service breaking capacity Ics AC according IEC 60898-1 min/maxi threshold value of the AC thermal operation	500 V 6000 V 12 V 63 A 7.5 kA

Rating current -10°C according to IEC 60947	83.72 A
Rating current -15°C according to IEC 60947	85.22 A
Rating current -20°C according to IEC 60947	86.7 A
Rating current -25°C according to IEC 60947	88.15 A
Rating current -5°C according to IEC 60947	82.2 A
Rating current 0°C according to IEC 60947	80.64 A
Rating current 10°C according to IEC 60947	77.43 A
Rating current 15°C according to IEC 60947	75.78 A
Rating current 20°C according to IEC 60947	74.09 A
Rating current 25°C according to IEC 60947	72.36 A
Rating current 30°C according to IEC 60947	70.59 A
Rating current 35°C according to IEC 60947	68.77 A
Rating current 40°C according to IEC 60947	66.9 A
Rating current 45°C according to IEC 60947	64.98 A
Rating current 5°C according to IEC 60947	79.05 A
Rating current 50°C according to IEC 60947	63 A
Rating current 55°C according to IEC 60947	60.26 A
Rating current 60°C according to IEC 60947	57.38 A
Rating current 65°C according to IEC 60947	54.35 A
Rating current 70°C according to IEC 60947	51.14 A
Rated short circuit breaking capacity lcn under 230V AC according IEC60898-1	10 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	15 kA
Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1	10 kA
Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	15 kA
Electric current / temperature	
Rating current -25°C	78.67 A
Rating current -20°C	77.38 A
Rating current -15°C	76.06 A
Rating current -10°C	74.72 A
Rating current -5°C	73.36 A
Rating current 0°C	71.97 A
Rating current 5°C	70.56 A

Rating current 10°C	69.11 A
Rating current 25°C	64.58 A
Rating current 30°C	63 A
Rating current 35°C	60.96 A
Rating current 40°C	58.86 A
Rating current 45°C	56.68 A
Rating current 50°C	54.4 A
Rating current 55°C	52.03 A
Rating current 60°C	49.55 A
Rating current 65°C	46.94 A
Rating current 70°C	44.17 A

Correction factor of rating current for 4 and 0 5 devices placed side-by-side 0.8 Correction factor of rating current for 6 0.8 devices placed side-by-side 0.8 Correction factor of magnetic tripping with 1 100 Hz 1 Correction factor of magnetic tripping with 1 Dimensions 1 Depth of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 1 Maximum power loss per pole according to the product standard 13 f Total power loss per pole at ln 7.12 f Endurance 2000 Electric endurance in number of cycles 4000 Number of mechanical operations <t< th=""><th></th><th></th></t<>		
devices placed side-by-side 0.9 Correction factor of rating current for 4 and 5 devices placed side-by-side 0 Correction factor of rating current for 6 devices placed side-by-side 0.8 Correction factor of magnetic tripping with 100 Hz 1 Correction factor of magnetic tripping with 200 Hz 1 Correction factor of magnetic tripping with 400 Hz 1 Correction factor of magnetic tripping with 60 Hz 1 Dimensions 1 Depth of installed product 70 m Height of installed product 52.5 m Frequency 50 to 60 H Power 13 to 13 to 10 m Maximum power loss per pole according to the product standard 13 to 19.9 to 19.9 to 19.9 to 20.0 to 10 to 19.9 to 20.0 to 10 to 19.9 to 20.0		1
5 devices placed side-by-side 0 Correction factor of rating current for 6 0.8 devices placed side-by-side 0.8 Correction factor of magnetic tripping with 1 100 Hz 1 Correction factor of magnetic tripping with 1 200 Hz 1 Correction factor of magnetic tripping with 1 Dimensions 1 Depth of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 h Power 13 Total power loss per pole according to the product standard 13 h Total power loss under IN 19.9 h Power less under IN 19.9 h Power of mechanical operations 2000 Installation, mounting 2000 Installation, mounting 2000 Type of top connection for mod		0.95
devices placed side-by-side 0.8 Correction factor of magnetic tripping with 1 100 Hz 1 Correction factor of magnetic tripping with 1 Dimensions 1 Depth of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 13 m Maximum power loss per pole according to the product standard 13 m Total power loss under IN 19.9 m Power loss under IN 19.9 m Power loss per pole at In 7.12 m Endurance 2000 Installation, mounting 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2.8 M		0.9
100 Hz 1 Correction factor of magnetic tripping with 1 Correction factor of magnetic tripping with 1 QU Hz 1 Correction factor of magnetic tripping with 1 Correction factor of magnetic tripping with 1 Dimensions 1 Depth of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 H Power 13 Maximum power loss per pole according to 13.9 P Power loss under IN 19.9 P Power loss per pole at In 7.12 P Electric endurance in number of cycles 400 Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2.8N	-	0.85
200 Hz 1 Correction factor of magnetic tripping with 1 Correction factor of magnetic tripping with 1 Oimensions 1 Dimensions 70 m Height of installed product 70 m Height of installed product 83 m Width of installed product 83 m Frequency 50 to 60 H Power 50 to 60 H Maximum power loss per pole according to the product standard 13 m Total power loss under IN 19.9 m Power loss per pole at In 7.12 m Electric endurance in number of cycles 400 m Number of mechanical operations 2000 m Installation, mounting 2000 m Type of top connection for modular devices with scree Tightening torque 2.8N		1.1
400 Hz 1 Correction factor of magnetic tripping with 1 60 Hz 1 Dimensions 70 m Height of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 1 Maximum power loss per pole according to the product standard 13 to 7.12 to 7.1		1.2
60 Hz 1 Dimensions 70 m Height of installed product 83 m Width of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 70 m Maximum power loss per pole according to the product standard 13 m Total power loss under IN 19.9 Power loss per pole at In 7.12 Endurance 4000 Number of mechanical operations 20000 Installation, mounting 17 Type of top connection for modular devices with scree Tightening torque 2.8N		1.5
Depth of installed product 70 m Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 50 to 60 F Maximum power loss per pole according to the product standard 13 I Total power loss under IN 19.9 F Power loss per pole at In 7.12 I Endurance 400 I Number of mechanical operations 2000 I Installation, mounting 17 type of top connection for modular devices Tightening torque 2,8Ni		1.1
Height of installed product 83 m Width of installed product 52.5 m Frequency 50 to 60 F Power 50 to 60 F Maximum power loss per pole according to the product standard 13 m Total power loss under IN 19.9 m Power loss per pole at In 7.12 m Endurance 400 m Number of mechanical operations 2000 m Installation, mounting 2000 m Type of top connection for modular devices with scree Tightening torque 2,8N	Dimensions	
Width of installed product 52.5 m Frequency 50 to 60 F Power 50 to 60 F Maximum power loss per pole according to the product standard 13 I Total power loss under IN 19.9 F Power loss per pole at In 7.12 I Endurance 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8N	Depth of installed product	70 mm
Frequency 50 to 60 F Power 13 T Maximum power loss per pole according to the product standard 13 T Total power loss under IN 19.9 T Power loss per pole at In 7.12 T Endurance 400 Number of mechanical operations 2000 Installation, mounting 17 to power loss Type of top connection for modular devices with scree Tightening torque 2,8N	Height of installed product	83 mm
Frequency 50 to 60 H Power Maximum power loss per pole according to the product standard Total power loss under IN 13 T Power loss per pole at In 19.9 T Power loss per pole at In 7.12 T Endurance 400 Number of mechanical operations 2000 Installation, mounting 19.9 T Type of top connection for modular devices with scree Tightening torque 2,8N	Width of installed product	52.5 mm
Power Maximum power loss per pole according to the product standard 13 Total power loss under IN 19.9 Power loss per pole at In 7.12 Endurance 400 Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8Ni	Frequency	
Maximum power loss per pole according to the product standard 13 Total power loss under IN 19.9 Power loss per pole at In 7.12 Endurance 2000 Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8N	Frequency	50 to 60 Hz
the product standard 13 Total power loss under IN Total power loss under IN 19.9 Total power loss per pole at In Power loss per pole at In 7.12 Total power loss per pole at In Endurance 2000 Total power loss per pole at In Electric endurance in number of cycles 400 Total power loss per pole at In Number of mechanical operations 2000 Total power loss per pole at In Type of top connection for modular devices with scree Tightening torque 2,8N	Power	
Power loss per pole at In 7.12 Endurance 2000 Electric endurance in number of cycles 400 Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8N		13 W
Endurance Electric endurance in number of cycles 400 Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8N	Total power loss under IN	19.9 W
Electric endurance in number of cycles 400 Number of mechanical operations 2000 Installation, mounting Type of top connection for modular devices with scree Tightening torque 2,8N	Power loss per pole at In	7.12 W
Number of mechanical operations 2000 Installation, mounting 2000 Type of top connection for modular devices with scree Tightening torque 2,8Ni	Endurance	
Installation, mounting Type of top connection for modular devices with scre Tightening torque 2,8Nr	Electric endurance in number of cycles	4000
Type of top connection for modular devices with scree Tightening torque 2,8Ni	Number of mechanical operations	20000
Tightening torque 2,8Ni	Installation, mounting	
	Type of top connection for modular devices	with screw
Type of top rail clip for modular devices	Tightening torque	2,8Nm
	Type of top rail clip for modular devices	NA

plastic

Type of bottom rail clip for modular devices

Subject to technical modifications

devices	Blconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Suitable for flush-mounting	Yes
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 25 mm ²
Connection cross-section at output with screw, for massive conductor	1 / 35 mm
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 35 mm
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm
Downstream cage clamp delivery status	openeo
Upstream cage clamp delivery status	openeo
Equipment	
Can be accessorized	Ye
With transparent product label holder	Ye
Standards	
European directive WEEE	concerned
Safety	
Protection index IP	IP2(
REACH conform	N
RoHS conform	Ye
Halogen free	No
Use conditions	
Use conditions Operating temperature	-2570 °C
	-2570 °C
Operating temperature Degree of pollution according to IEC 60664 /	
Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2	:

Temperature of calibration

50 °C