



NGN332

MCB 3P 6/10kA D-32A 3M

Technical properties

Number of poles 3 Type of pole 3 Functions 0 Configuration N Number of modules 0 Connectivity 0 Top connection alignement for modular devices Aligned termine Bottom connection alignement for modular devices Aligned termine Main electrical features 0 Rated short circuit breaking capacity Icn AC according IEC 60898-1 6 kd Kated operational voltage Ue 400 Type of supply voltage A Wottage 6000 Minimum threshold voltage (Ue min) 12 Electric current 32 Rated service breaking capacity Ics AC according IEC 60898-1 6 kd min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating current 10 / 14.4 I min/maxi threshold value of the DC magnetic operation 15 / 30 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Magnetic regulating current -10°C according to IEC 41.08 Rating current -15°C according to IEC 41.08	Neutral position	without neutral
Type of pole 3 Functions Concurrently switching N-neutral N Configuration Number of modules Connectivity Top connection alignement for modular devices Aligned termine Bottom connection alignement for modular devices Aligned termine Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k Rated operational voltage Ue 400 Type of supply voltage A Votage Rated insulation voltage (Ue min) 12 Electric current Rated current 32 Rated service breaking capacity Ics AC according IEC 60898-1 6 k min/maxit threshold voltage (Ue min) 12 Electric current Rated current 32 Rated service breaking capacity Ics AC according IEC 60898-1 6 k min/maxit threshold voltage of the AC thermal operation 1.13 / 1.45 I Magnetic regulating current 1.13 / 1.45 I Rating current -10°C according to IEC	Number of protected poles	3
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Rated insulation voltage 500 Rated impulse withstand voltage 6000 Minimum threshold voltage (Ue min) 12 Electric current 32 Rated service breaking capacity Ics AC according IEC 60898-1 6 k min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating current 10 / 14.4 I min/maxi threshold value of the DC magnetic operation 15 / 30 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Rating current -10°C according to IEC 60947 41.08 Rating current -15°C according to IEC 10 / 14.0	Type of supply voltage	AC
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min/maxi threshold value of the DC magnetic operation 15 / 30 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Rating current -10°C according to IEC 60947 41.08 Rating current -15°C according to IEC	min/maxi threshold value of the AC thermal operation	1.13 / 1.45 lı
magnetic operation 15 / 30 l min/maxi threshold value of the DC thermal operation 1.13 / 1.45 l Rating current -10°C according to IEC 41.08 Rating current -15°C according to IEC 41.08	Magnetic regulating currrent	10 / 14.4 li
operation 1.13 / 1.45 I Rating current -10°C according to IEC 60947 41.08 Rating current -15°C according to IEC	min/maxi threshold value of the DC magnetic operation	15 / 30 li
60947 41.08 Rating current -15°C according to IEC	min/maxi threshold value of the DC thermal operation	1.13 / 1.45
	Rating current -10°C according to IEC 60947	41.08
	Rating current -15°C according to IEC 60947	41.74

Rating current -20°C according to IEC 	42.4 A
Rating current -25°C according to IEC 60947	43.05 A
Rating current -5°C according to IEC 60947	40.4 A
Rating current 0°C according to IEC 60947	39.71 A
Rating current 10°C according to IEC 60947	38.29 A
Rating current 15°C according to IEC 60947	37.56 A
Rating current 20°C according to IEC 60947	36.82 A
Rating current 25°C according to IEC 60947	36.06 A
Rating current 30°C according to IEC 60947	35.29 A
Rating current 35°C according to IEC 60947	34.49 A
Rating current 40°C according to IEC 60947	33.68 A
Rating current 45°C according to IEC 60947	32.85 A
Rating current 5°C according to IEC 60947	39.01 A
Rating current 50°C according to IEC 60947	32 A
Rating current 55°C according to IEC 60947	31.09 A
Rating current 60°C according to IEC 60947	30.16 A
Rating current 65°C according to IEC 60947	29.19 A
Rating current 70°C according to IEC 60947	28.19 A
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
Rated short circuit breaking capacity lcn under 400V AC according IEC60898-1	6 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	20 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	20 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	10 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	6 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	20 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	10 kA
Electric current / temperature	
Rating current -25°C	39.04 A
Rating current -20°C	38.45 A
Rating current -15°C	37.86 A
Rating current -10°C	37.25 A
Rating current -5°C	36.64 A
Rating current 0°C	36.01 A
Rating current 5°C	35.37 A
Rating current 10°C	34.73 A
Rating current 25°C	32.7 A
Rating current 30°C	32 A

Rating current 35°C	31.26 A
Rating current 40°C	30.5 A
Rating current 45°C	29.72 A
Rating current 50°C	28.92 A
Rating current 55°C	28.1 A
Rating current 60°C	27.26 A
Rating current 65°C	26.38 A
Rating current 70°C	25.48 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
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	
Maximum power loss per pole according to the product standard	
	6 W
Total power loss under IN	6 W 12.3 W
Total power loss under IN Power loss per pole at In	12.3 W
	12.3 W
Power loss per pole at In	
Power loss per pole at In Endurance	12.3 W 4.22 W
Power loss per pole at In Endurance Electric endurance in number of cycles	12.3 W 4.22 W 4000
Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations	12.3 W 4.22 W 4000
Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting	12.3 W 4.22 W 4000 20000
Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top connection for modular devices	12.3 W 4.22 W 4000 20000 with screw
Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top connection for modular devices Tightening torque	12.3 W 4.22 W 4000 20000 with screw 2,8Nm
Power loss per pole at In Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top connection for modular devices Tightening torque Type of top rail clip for modular devices	12.3 W 4.22 W 4000 20000 with screw 2,8Nm NA

Bottom removability for modular devices	Yes
Suitable for flush-mounting	Ye
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 25 mm
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	opene
Upstream cage clamp delivery status	openeo
Equipment	
Can be accessorized	Ye
Standards	
Standard text	EN 60898-1 ; IEC 60947-
European directive WEEE	concerned
Safety	
Protection index IP	IP2
REACH conform	N
RoHS conform	Ye
Halogen free	Ν
Use conditions	
Operating temperature	-2570 °
Altitude	2000 r
Storage/transport temperature	-2580 °
temperatur	
temperatur Temperature of calibration	50 °