



NC340A

MCB 3P 10kA C-40A 3M

Technical characteristics

rchitecture	

Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Curve	С
Functions	
Concurrently switching N-neutral	0
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	230 / 400 V
Type of supply voltage	AC
Frequency	50/60
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 ln
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC magnetic operation	5 / 15 In
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 In
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	10 kA

capacity Icu under 230V AC IEC 60947-2	15 k/
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	15 k/
Electric current / temperature	
Rating current -25°C	50.4
Rating current -20°C	49.6
Rating current -15°C	48.7
Rating current -10°C	47.8
Rating current -5°C	46.9 /
Rating current 0°C	46 /
Rating current 5°C	45 /
Rating current 10°C	44.1
Rating current 15°C	43.1
Rating current 20°C	42.1
Rating current 25°C	41.1 /
Rating current 30°C	40 /
Rating current 35°C	38.9
Rating current 40°C	37.8
Rating current 45°C	36.6
Rating current 50°C	35.4 /
Rating current 55°C	34.2 /
Rating current 60°C	32.9
Rating current 65°C	31.8 /
Rating current 70°C	30.6
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	:
Correction factor of rating current for 3 devices placed side-by-side	0.99
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	0.8
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	:
Dimensions	
Depth of installed product	70 mn
Height of installed product	83 mn
Width of installed product	52.5 mn
Frequency	
Frequency	50 to 60 H

Eilectric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 71ghtening torque 2,8Mm 7ype of top rail clip for modular devices metallic 71gpe of Bottom rail clip for modular devices metallic 71gpe of Bottom Connection for modular devices metallic 71gpe of Bottom Connection for modular devices 80tom removability for modular devices 90tom removability for modular devices 90tom 70gpe of Bottom Connection for modular devices 90tom 70gpe of Bottom Connection 70gpe of Bottom Connection 70gpe of Bottom 70gpe of 20gpe of 1/25mm 70gpe of 20gpe o	Power	
Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Installation, mounting Type of top connection for modular devices with screw 11 plant of the property 12 plant of the property 12 plant of the property 13 plant of the property 14 plant of the property 15 plant of the property 16 plant o	Total power loss under IN	18.7 W
Electric endurance in number of cycles 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 Type of Bottom Connection for modular devices Top removability for modular devices Biconnect Top removability for modular devices 0 Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1 / 35mm² Connection cross-sect. or input and output with screws, for massive conductors Connection cross-section of input and output with screws, for flexible conductor Type of connection Connection cross section of secs and exit with screws, for flexible conductor Connection cross section of secs and exit with screws, for flexible conductor Connection cross section of secs and exit with screws, for flexible conductor Connection cross section of secs and exit with screws for flexible conductor Connection cross section of secs and exit with screws, for flexible conductor Connection cross section of secs and exit with screws, for flexible conductor Connection cross section of secs and exit with screws, for flexible conductor 1 / 25 mm² Type of connection Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation Pt 3 Altitude 2000 m	Power loss per pole at In	8.44 W
Number of mechanical operations 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 Type of Bottom Connection for modular devices Type of Bottom Connection for modular devices Bottom removability for modular devices O Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1 / 35mm² Connection cross-section of input and output with screws, for massive conductors 1 / 25 mm² Type of connection Connection cross section of access and exit with screws, for flexible conductor Type of connection Equipment With transparent product label holder Standards Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation IPt 3 Altitude Altitude	Endurance	
Type of top connection for modular devices with screw Tightening torque 2,8Nm Type of top rail clip for modular devices NA Type of top rail clip for modular devices metallic Type of Bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices Bottom removability for modular devices 0 Bottom removability for modular devices 0 Connection Connection cross-sect. flexible conductor 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² Connection cross-sect rigid cable 1 / 35mm² Connection cross-section of input and output with screws, for massive conductors 1 / 25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1 / 25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 0 with screws Equipment Standards Standard text En 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation IPt 3 Aktitude 2000 m	Electric endurance in number of cycles	10000
Type of top connection for modular devices Tightening torque 2,88mm Type of top rail clip for modular devices Type of bottom rail clip for modular devices Type of Bottom Connection for modular devices Type of Bottom Connection for modular devices Type of Bottom Connection for modular devices Bloconnect Top removability for modular devices 0 Bottom removability for modular devices 0 Connection Connection Connection cross-sect. flexible conductor 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² Connection cross-section of input and output with screws, for massive conductors 1 / 25 mm² Type of connection Connection cross-section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation IPt 3 Altitude 3 Altitude	Number of mechanical operations	20000
Tightening torque 2,8Nm Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices Blconnect Top removability for modular devices 0 Bottom removability for modular devices 0 Bottom removability for modular devices 0 Bottom removability for modular devices 0 Connection Connection cross-sect. flexible conductor 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² Connection cross-section of input and output with screws, for massive conductors 1 / 25 mm² Type of connection cross section of access and exit with screws, for flexible conductor 1 / 25 mm² Type of connection with screw Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Legs of energy limitation IPt 3 Altitude 2000 m	Installation, mounting	
Type of top rail clip for modular devices Type of bottom rail clip for modular devices Type of Bottom Connection for modular devices Type of Bottom Connection for modular devices Blconnect Top removability for modular devices 0 Bottom removability for modular devices 0 Connection Connection Connection cross-sect. flexible conductor 1 / 25mm² 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 Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP Use conditions Operating temperature -2570 °C Legs of energy limitation IPt 3 Altitude 2000 m	Type of top connection for modular devices	with screw
Type of bottom rail clip for modular devices Type of Bottom Connection for modular devices Type of Bottom Connection for modular devices Bottom removability for modular devices O Bottom removability for modular devices Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1 / 35mm² 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 Type of connection Bequipment With transparent product label holder O Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t 3 Altitude Altitude	Tightening torque	2,8Nm
Type of Bottom Connection for modular devices Bottom removability for modular devices Bottom removability for modular devices Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-section of input and output with screws, for massive conductors Connection cross section of access and exit with screws, for flexible conductor Type of connection Standards Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I ² t 3 Altitude Altitude 2000 m	Type of top rail clip for modular devices	NA
devices Blconnect Top removability for modular devices 0 Bottom removability for modular devices 0 Connection Connection Connection cross-sect. flexible conductor 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² 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 Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Logs of energy limitation I²t 3 Altitude 2000 m	Type of bottom rail clip for modular devices	metallic
Bottom removability for modular devices Connection Connection cross-sect. flexible conductor 1/25mm² Connection cross-sect. rigid cable 1/35mm² 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 Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Type of Bottom Connection for modular devices	Blconnect
Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-sect. rigid cable Connection cross-section of input and output with screws, for massive conductors Connection cross section of access and exit with screws, for flexible conductor Type of connection With screws, for flexible conductor With screws Equipment With transparent product label holder O Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t Altitude 2000 m	Top removability for modular devices	0
Connection cross-sect. flexible conductor 1 / 25mm² Connection cross-sect. rigid cable 1 / 35mm² 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 Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Bottom removability for modular devices	0
Connection cross-sect. rigid cable 1 / 35mm² 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 Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Connection	
Connection cross-section of input and output with screws, for massive conductors Connection cross section of access and exit with screws, for flexible conductor Type of connection Equipment With transparent product label holder Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I2t Altitude 3 1 / 35 mm² 1 / 25 mm² 2 1 / 25 mm² 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Connection cross-sect. flexible conductor	1 / 25mm²
output with screws, for massive conductors 1 / 35 mm² Connection cross section of access and exit with screws, for flexible conductor Type of connection with screw Equipment With transparent product label holder Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t 3 Altitude Altitude	Connection cross-sect. rigid cable	1 / 35mm²
with screws, for flexible conductor 1 / 25 mm² Type of connection with screw Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 22000 m	Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Equipment With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m		1 / 25 mm²
With transparent product label holder 0 Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Type of connection	with screw
Standards Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Equipment	
Standard text EN 60898-1 European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	With transparent product label holder	0
European directive WEEE not concerned Safety Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Standards	
Safety Protection index IP Use conditions Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I²t Altitude Protection index IP IP20 2570 °C 2 2 3 3 4 4 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Standard text	EN 60898-1
Protection index IP IP20 Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	European directive WEEE	not concerned
Use conditions Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Safety	
Operating temperature -2570 °C Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Protection index IP	IP20
Degree of pollution according to IEC 60664 / IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Use conditions	
IEC 60947-2 2 Class of energy limitation I²t 3 Altitude 2000 m	Operating temperature	-2570 °C
Altitude 2000 m		2
	Class of energy limitation I ² t	3
Air humidity protection for all climates	Altitude	2000 m
	Air humidity protection	for all climates

-25...80 °C

Storage/transport temperature