



MT132A

MCB 1P 6kA B-32A 1M

Technical properties

Type of pole 1 Curve 1 Functions 1 Concurrently switching N-neutral N Configuration N Number of modules 1 Connectivity 1 Top connection alignement for modular devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features 6 k. Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k. Rated operational voltage Ue 230 / 400 Type of supply voltage Aligned termina Voltage Aligned termina Rated insulation voltage Ue 230 / 400 Voltage Aligned termina Rated insulation voltage 5000 Rated insulation voltage 4000 Electric current 32 Rated acrurent 32 Rated service breaking capacity Ics AC according IEC 60898-1 6 k. min/maxit threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating current 3 / 5 I min/maxit threshold value of the DC thermal operation 1.13 / 1.45 I	Number of protected poles	1
Curve	Number of poles	1 P
Functions Concurrently switching N-neutral N Configuration N Number of modules Connectivity Connectivity Aligned termina Difference Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 kc Rated operational voltage Ue 230 / 400 230 / 400 Type of supply voltage Aligned termina Frequency 50/60 H Voltage Rated insulation voltage 4000 N 400 N Caccording IEC 60898-1 6 kc 6 kc Rated insulation voltage 4000 N 400 N Caccording IEC 60898-1 6 kc 6 kc min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I 400 N Magnetic regulating current 32 . 3 / 5 I 3 / 5 I min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I 1.13 / 1.45 I <	Type of pole	1 P
Concurrently switching N-neutral N Configuration Number of modules Connectivity Top connection alignement for modular devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k Rated operational voltage Ue 230 / 400 Type of supply voltage Ai Frequency S0/60 H Voltage Rated insulation voltage Electric current Rated current Rated current Rated current Contexting IEC 60898-1 6 k min/maxi threshold value of the DC magnetic operation Contexting Current Contexting Contexting Connection alignement Connection Connec	Curve	E
Configuration Number of modules Connectivity Top connection alignement for modular devices Bottom connection alignement for modular devices Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 according IEC60898-1 Frequency Soltage Rated insulation voltage Adated insulation voltage Stated insulation voltage Soltage Electric current Rated service breaking capacity Ics AC according IEC 60898-1 according IEC 60898-1 Soltage With a service breaking capacity Ics AC according IEC 60898-1 according IEC 60898-1 Soltage Imi/maxi threshold value of the AC thermal operation Soltage min/maxi threshold value of the DC margenetion magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	Functions	
Number of modules Connectivity Top connection alignement for modular devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k. Rated operational voltage Ue 230 / 400 Type of supply voltage Alifered Frequency 50/60 H Voltage Rated insulation voltage Electric current Rated current Rated current 232. 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 Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	Concurrently switching N-neutral	No
Connectivity Top connection alignement for modular devices Aligned terminal alignement for modular devices Bottom connection alignement for modular devices Aligned terminal alignement for modular devices Main electrical features Aligned terminal alignement for modular devices Main electrical features Aligned terminal alignement for modular devices Main electrical features Aligned terminal alignement for modular devices Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k. Rated operational voltage Ue 230 / 400 for the frequency Type of supply voltage Aligned terminal alignement for modular devices Voltage Aligned terminal frequency Rated insulation voltage 500 for the the frequency Voltage 4000 for the the for the	Configuration	
Top connection alignement for modular devices Aligned terminal Bottom connection alignement for modular devices Aligned terminal Main electrical features Aligned terminal Main electrical features 6 k. Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k. Rated operational voltage Ue 230 / 400 ° Type of supply voltage Aligned terminal Frequency 50/60 H Voltage Aligned terminal Rated insulation voltage 500 ° Rated insulation voltage 500 ° 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 1 Magnetic regulating current 3 / 5 1 min/maxi threshold value of the DC magnetic operation 4 / 7 1 min/maxi threshold value of the DC thermal operation 1.13 / 1.45 1 Breaking capacity 0 1 pole for IT 400V NF 3 k.	Number of modules	1
devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60988-1 6 k. Rated operational voltage Ue 230 / 400 ° 700 ° Type of supply voltage Aligned termina Voltage Aligned termina Rated insulation voltage 50/60 H Voltage 4000 ° Rated insulation voltage 500 ° Rated insulation voltage 500 ° Rated singulation voltage 6 k. Rated insulation voltage 500 ° Rated singulation voltage 6 k. min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating currrent 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 3 k.	Connectivity	
devices Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k Rated operational voltage Ue 230 / 400 ° Type of supply voltage Au Frequency 50/60 H Voltage 200 ° Rated insulation voltage 500 ° Rated insulation voltage 4000 ° Electric current 32 ° Rated 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 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF operation 1.13 / 1.45 I	Top connection alignement for modular devices	Aligned termina
Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k. Rated operational voltage Ue 230 / 400 1 Type of supply voltage A Frequency 50/60 H Voltage 400 1 Rated insulation voltage 500 1 Rated short circuits 4000 1 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 1 Magnetic regulating currrent 3 / 5 1 min/maxi threshold value of the DC magnetic operation 4 / 7 1 min/maxi threshold value of the DC thermal operation 1.13 / 1.45 1 Breaking capacity on 1 pole for IT 400V NF 3 k.	Bottom connection alignement for modular devices	Aligned termina
Rated short circuit breaking capacity Icn AC 6 k Rated operational voltage Ue 230 / 400 Type of supply voltage Ai Frequency 50/60 H Voltage 8 Rated insulation voltage 500 ° Rated service withstand voltage 4000 ° 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 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k		
according IEC60898-1 6 k/ Rated operational voltage Ue 230 / 400 ° Type of supply voltage A Frequency 50/60 H Voltage 200 ° Rated insulation voltage 500 ° Rated insulation voltage 4000 ° 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 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/		
Type of supply voltage At Frequency 50/60 H Voltage Rated insulation voltage 500 T Rated impulse withstand voltage 4000 T Electric current 32 A Rated current 32 A Rated service breaking capacity Ics AC according IEC 60898-1 6 kA min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating current 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 ka	Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Frequency 50/60 H Voltage 500 V Rated insulation voltage 500 V Rated impulse withstand voltage 4000 V 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 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/	Rated operational voltage Ue	230 / 400 \
Voltage Rated insulation voltage 500 M Rated impulse withstand voltage 4000 M Electric current 32 M Rated current 32 M 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 H Magnetic regulating currrent 3 / 5 H min/maxi threshold value of the DC magnetic operation 4 / 7 H min/maxi threshold value of the DC thermal operation 1.13 / 1.45 H Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	Type of supply voltage	AC
Rated insulation voltage 500 ° Rated impulse withstand voltage 4000 ° Electric current 32 ° Rated current 32 ° Rated service breaking capacity Ics AC according IEC 60898-1 6 kJ min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating currrent 3 / 5 I min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/	Frequency	50/60 Hz
Rated impulse withstand voltage 4000 M Electric current 32 A Rated current 32 A Rated service breaking capacity Ics AC 6 kA according IEC 60898-1 6 kA min/maxi threshold value of the AC thermal 1.13 / 1.45 I Magnetic regulating currrent 3 / 5 I min/maxi threshold value of the DC 4 / 7 I min/maxi threshold value of the DC thermal 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 3 kA	Voltage	
Electric current 32 Rated current 32 Rated service breaking capacity Ics AC 32 according IEC 60898-1 6 k min/maxi threshold value of the AC thermal 1.13 / 1.45 I Magnetic regulating currrent 3 / 5 I min/maxi threshold value of the DC 4 / 7 I min/maxi threshold value of the DC thermal 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 3 k	Rated insulation voltage	500 V
Rated current 32 / Rated service breaking capacity Ics AC 6 k/ according IEC 60898-1 6 k/ min/maxi threshold value of the AC thermal 1.13 / 1.45 I Magnetic regulating current 3 / 5 I min/maxi threshold value of the DC 4 / 7 I min/maxi threshold value of the DC thermal 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 3 k/	Rated impulse withstand voltage	4000 V
Rated service breaking capacity Ics AC 6 kJ according IEC 60898-1 6 kJ min/maxi threshold value of the AC thermal 1.13 / 1.45 II Magnetic regulating currrent 3 / 5 II min/maxi threshold value of the DC 4 / 7 II min/maxi threshold value of the DC thermal 1.13 / 1.45 II Breaking capacity on 1 pole for IT 400V NF 3 kJ	Electric current	
according IEC 60898-1 6 k/s min/maxi threshold value of the AC thermal operation 1.13 / 1.45 l Magnetic regulating currrent 3 / 5 l min/maxi threshold value of the DC magnetic operation 4 / 7 l min/maxi threshold value of the DC thermal operation 1.13 / 1.45 l Breaking capacity on 1 pole for IT 400V NF 3 k/s	Rated current	32 /
operation 1.13 / 1.45 I Magnetic regulating current 3 / 5 I min/maxi threshold value of the DC 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 3 k	Rated service breaking capacity Ics AC according IEC 60898-1	6 kA
min/maxi threshold value of the DC magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	min/maxi threshold value of the AC thermal operation	1.13 / 1.45 lr
magnetic operation 4 / 7 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/	Magnetic regulating currrent	3 / 5 Ir
operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/	min/maxi threshold value of the DC magnetic operation	4 / 7 Ir
60947-2 3 k/	min/maxi threshold value of the DC thermal operation	1.13 / 1.45 lr
Rated short circuit breaking capacity Icn	Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA
	Rated short circuit breaking capacity Icn	

Electric current / temperature

Rating current -25°C	38.7 A
Rating current -20°C	38.1 A
Rating current -15°C	37.5 A
Rating current -10°C	37 A
Rating current -5°C	36.4 A
Rating current 0°C	35.8 A
Rating current 5°C	35.2 A
Rating current 10°C	34.6 A
Rating current 15°C	33.9 A
Rating current 20°C	33.3 A
Rating current 25°C	32.7 A
Rating current 30°C	32 A
Rating current 35°C	31.3 A
Rating current 40°C	30.6 A
Rating current 45°C	29.9 A
Rating current 50°C	29.2 A
Rating current 55°C	28.5 A
Rating current 60°C	27.7 A
Rating current 65°C	27 A
Rating current 70°C	26.3 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	17.5 mm

Frequency

Frequency

50 to 60 Hz

```
Power
```

Total power loss under IN	4.4 W
Power loss per pole at In	4.4 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
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	No
Bottom removability for modular devices	No
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
Standards	
Standard text	EN 60898-1
Safety	
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-2570 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I ² t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-2580 °C
Identification	

Aesthetic for B.G. Protection devices

FD