



Product type designation         Miniature circuit by seaker (MCB)           Product type designation         1 P4 N           Number of poles         1 P4 N           Number of DIN modules         1 EC           Compilance         IEC           Electrical features         IEC           Rated insulation voltage Uif EC/EN         V         440           Rated insulation voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated current (In)         A         10           Rated current (In)         KA         6           Rated current (In)         KA         6           Short circuit rating (IEC)         KA         6           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Power dissipation per pole max         W         V         1.26           Ambient conditions         W         1.26         40					
Product type designation         Fit MB           Number of poles         1P+N           Number of poles         1P+N           Number of DIN modules         1P+N           Compliance         1P-N           Electrical features         V         440           Rated insulation voltage UiEC/EN         V         440           Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         200           Rated current (In)         A         10           Rated (urgent (In)         A         10           Tripping curve         C         A         6           Short circuit rating (IEC)         KA         6         6         C         C         C         C         A         6         C         C         C         A         6         C         C         C         A         6         C         2         4         6         C         2         4         6         C         2         4         6         C         2         4         0         2         4         2         2         4	Product designation			Miniature circuit	
Number of DIN modules         1P+N           Compliance         1EC           Electrical features				, ,	
Number of DIN modules         1           Compliance         IEC           Electrical features         V         440           Rated insulation voltage UI IEC/EN         V         440           Rated inpulse withstand voltage LOImp         kV         4           Rated inpulse withstand voltage AC (IEC)         VAC         230           Rated current (In)         I         50/60           Rated current (In)         A         10           Tripping curve         A         10           Short circuit rating (IEC)         kA         6           Power dissipation per pole max         KA         6           Ambient conditions         V         1,25           Power dissipation per pole max         W         1,25           Ambient conditions         V         1,20           Power dissipation per pole max         W         1,20           Ambient conditions         V         1,20           Storage temperature         min         °C         -40           Max alititude         max         °C         -40           Max alititude         moral         vertical plan           Fixing         normal         vertical plan           Fixing					
Compliance         IEC           Electrical features         V         440           Rated insulation voltage Uir IEC/EN         xV         4           Rated impulse withstand voltage Uirip         kV         4           Rated operational voltage AC (IEC)         vAC         230           Rated forequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         xA         6           Short circuit rating (IEC)         xA         6           Electrical life         cycles         10000           Power dissipation per pole max         w         1,25           Ambient conditions         w         1,25           Operating temperature         min         °C         -40           max         "C         +70           Storage temperature         min         °C         +40           Max altitude         m         2000           Mechanical features         min         °C         +40           Operating position         moral         vertical plan           Fixing         normal         Nm         1,1           Fixing         normal         Nm         1,2      <	·				
Rated insulation voltage Ui IEC/EN				•	
Rated insulation voltage Uir IEC/EN         V         440           Rated impulse withstand voltage Uirp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         C         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         °C         -40           Max allitude         m         2000           Mechanical features         m         2000           Operating position         mormal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         1.2           max         Nm         1.2         1.2           properating position         min         Nm         1.1           fight         min         Nm				IEC	
Rated impulse withstand voltage Limp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated current (In)         A         10           Tripping curve         C         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         °C         -40           Max altitude         max         °C         -40           Max altitude         max         "C         -40           Mechanical features         max         "C         -40           Operating position         normal         Vertical plan         5           Fixing         35mm DIN rail         11           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         10.6           Terminals tool         max         min         10.6         10.6           Terminals tool         min         min         min         min         min <td< td=""><td></td><td></td><td>\ /</td><td>4.40</td></td<>			\ /	4.40	
Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         C         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         °C         -40           max         °C         +80           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         nm           min         Nm         1.2         nm           min         nm         1.0.6         nm           Forminals tool         min         min         nm         nm           EC         nm         nm         nm<					
Rated frequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         C         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dispation per pole max         W         1.25           Ambient conditions           Operating temperature           min         °C         -40           max         °C         -40           min </td <td></td> <td></td> <td></td> <td></td>					
Rated current (In)         A         10           Tripping curve         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         Temperature           Minimate of Carpetar (Carpetar)         Temperature           Minimate of Carpetar (Carpetar)         Temperature           Minimate of Carpetar (Carpetar)         Temperature           Max altitude         minimate of Carpetar (Carpetar)         Temperature         Temperature <th col<="" td=""><td></td><td></td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td></td>				
Tripping curve         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         Operating temperature           min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           Max attitude         m         2000           Mechanical features         mormal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         10in         9.7           rama         lbin         10.6         10.6         1.2         1.2           min         lbin         10.6         1.2					
Short circuit rating (IEC)         kA         6           Electrical life         cycles         100000           Power dissipation per pole max         W         1.25           Ambient conditions         Operating temperature         min of conditions			A		
Electrical life					
Power dissipation per pole max					
Ambient conditions					
Operating temperature         min max of colspan="4">of colspan="4			W	1.25	
Minimax					
Storage temperature         max         °C         +70           Storage temperature           min         °C         -40	Operating temperature				
Storage temperature         min max         °C max         -40 max         °C max         +80 max         -80 max         2000         Mechanical features         Mechanical features         Image: storage of temperature of temp		min			
Max altitude         "C +80           Mechanical features         " 2000           Mechanical features           normal         Vertical plan           Fixing         " 35mm DIN rail           Tightening torque for terminals         min max         Nm 1.1 nmax           Imax         Nm 1.2 nmin lbin 9.7 nmax         10.6 nmin 10.6           Terminals tool         Pz 2           Conductor section         IEC         min mm² nm² 16 nmax mm² 16           AWG/Kcmil         min max nm² 6         AWG/Kcmil           Mechanical life         cycles 20000           Weight         g 115           Frontal IP degree         IP20	¬	max	°C	+70	
Max altitude         max         °C         +80           Mechanical features           Operating position           Informal Position         Normal Position           Fixing         Tommal Position         Tommal Position Position Position         Tommal Position	Storage temperature				
Max altitude         m         2000           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.1         nmax         Nm         1.2         nmin         los         p.7         nmax         los         nmin         1.0.6         nmin         p.7         nmin         los         nmin         1.0.6         nmin         nmin         1.0.6         nmin         nmin         nmin         1.0.6         nmin         nmin         1.0.6         nmin         nmin         1.0.6         nmin         nmin         1.0.6         nmin         nmin         nmin         1.0.6         nmin         nm		min		-40	
Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm 1.1 max Nm 1.2 max Nm 1.2 min lbin 9.7 max lbin 10.6           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 amax amax 6 amax mm² 1 amax 6 amax mm² 1 amax 6 amax mm² 1 amax		max	°C	+80	
Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 1.1 max Nm 1.2 min lbin 9.7 max lbin 10.6           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 nm² 16           AWG/Kcmil         min min mm² 14         nmax mm² 14           AWG/Kcmil         g 115           Mechanical life         cycles 20000           Weight         g 115           Frontal IP degree         IP20	Max altitude		m	2000	
Fixing         35mm DIN rail           Tightening torque for terminals         min max	Mechanical features				
Fixing         35mm DIN rail           Tightening torque for terminals           min min max Nm 1.1 max Nm 1.2 min lbin 9.7 max lbin 10.6           Terminals tool         Pz 2           Conductor section           IEC         min mm² mm² 1 max mm² 16           AWG/Kcmil         min max mm² 14 max 6           Mechanical life         cycles         20000           Weight         g 115           Frontal IP degree         IP20	Operating position				
Tightening torque for terminals           min Nm Nm 1.1 max Nm 1.2 min lbin 9.7 max lbin 10.6           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 1 max mm² 16           AWG/Kcmil         min mm² 14 max 6           Mechanical life         cycles 20000           Weight         g 115           Frontal IP degree         IP20		normal		Vertical plan	
Mechanical life   min	Fixing			35mm DIN rail	
Max   Nm   1.2   min   Ibin   9.7   max   Ibin   10.6	Tightening torque for terminals				
min max         Ibin 10.6           Terminals tool         Pz 2           Conductor section         IEC           min max         mm² 10           AWG/Kcmil         min max         14           Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20		min	Nm	1.1	
Terminals tool		max	Nm	1.2	
Terminals tool		min	Ibin	9.7	
Conductor section   IEC   min mm² 1   max mm² 16		max	Ibin	10.6	
IEC	Terminals tool			Pz 2	
Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20	Conductor section				
AWG/Kcmil         max         mm²         16           min max         14         6           Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20	IEC				
AWG/Kcmil           min max         14 max         6           Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20		min	mm²	1	
min max         14           Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20		max	mm²	16	
Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20	AWG/Kcmil				
Mechanical life         cycles         20000           Weight         g         115           Frontal IP degree         IP20		min			
Weight g 115 Frontal IP degree IP20		max			
Frontal IP degree IP20	Mechanical life		cycles	20000	
	Weight		g	115	
Pollution degree 2	Frontal IP degree			IP20	
	Pollution degree			2	

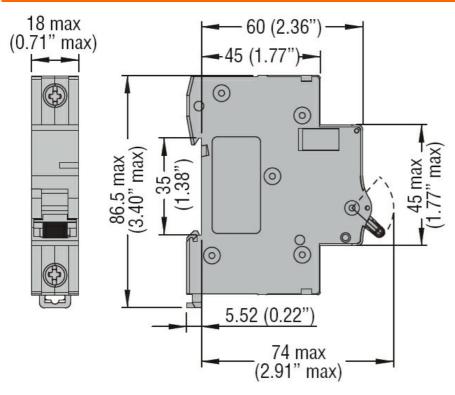


**ENERGY AND AUTOMATION** 

## Grid distance as per Annex H.1 of IEC/EN60898-1 standard

mm 60

## **Dimensions**



## Wiring diagrams

# Certifications and compliance

Compliance

IEC/EN 60898-1

IEC/EN 60947-2

Certifications

EAC

TÜV-Rheinland

## ETIM classification

ETIM 8.0

EC000042 -Miniature circuit breaker (MCB)