



Product designation Product type designation Number of poles Number of poles Number of DIN modules Compliance Electrical features Rated insulation voltage UI IEC/EN Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated operational voltage AC (UL) V Rated frequency Hz Rated current (In) A Short circuit rating (IEC) KA Short circuit rating (IEC) KA Short circuit rating (UL) KA Short circuit rating (UL) KA Short circuit rating (UL) KA Dever dissipation per pole max W Ambient conditions Operating temperature min °C max °C Max altitude m Mechanical features Operating position Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin Terminals tool	breaker (MCB) P1 MB 3P 3 IEC / UL489 440 4 230/400 480Y/277 50/60 13
Number of poles Number of DIN modules Compliance Electrical features Rated insulation voltage UI IEC/EN V Rated insulation voltage UCE() VAC Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated operational voltage AC (UL) V Rated current (In) A Tripping curve Short circuit rating (IEC) KA Short circuit rating (UL) KA Electrical life cycles Power dissipation per pole max W Ambient conditions Operating temperature min °C max °C Max altitude m Mechanical features Operating position remains Fixing Tightening torque for terminals min Nm min Ibin max Ibin	3P 3 IEC / UL489 440 4 230/400 480Y/277 50/60
Number of DIN modules Compliance Electrical features Rated insulation voltage Ui IEC/EN Rated inpulse withstand voltage Uimp Rated inpulse withstand voltage Uimp Rated operational voltage AC (IEC) Rated operational voltage AC (UL) Rated frequency Rated current (In) A Tripping curve Short circuit rating (IEC) Short circuit rating (UL) Rated current (In) Cycles Power dissipation per pole max Ambient conditions Operating temperature Max altitude Max altitud	3 IEC / UL489 440 4 230/400 480Y/277 50/60
Compliance Electrical features Rated insulation voltage Ui IEC/EN Rated insulation voltage Uimp KV Rated operational voltage AC (IEC) Rated operational voltage AC (UL) V Rated frequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) KA Short circuit rating (IEC) KA Electrical life Cycles Power dissipation per pole max W Ambient conditions Operating temperature min °C max °C Storage temperature min °C Max altitude m Mechanical features Operating torque for terminals min Nm min Ibin max Nm min Ibin max Ibin	IEC / UL489 440 4 230/400 480Y/277 50/60
Electrical features V Rated insulation voltage Ui IEC/EN V Rated inpulse withstand voltage Uimp KV Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated drequency Hz Rated current (In) A Tripping curve KA Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical Iffe cycles Power dissipation per pole max W Ambient conditions min Operating temperature min Max altitude m Mechanical features m Operating position normal Fixing min Tightening torque for terminals min Min Nm Min Ibin	440 4 230/400 480Y/277 50/60
Rated insulation voltage Ui IEC/EN V Rated impulse withstand voltage Uimp kV Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated prequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) Short circuit rating (UL) KA Short circuit rating (UL) KA Electrical life cycles Power dissipation per pole max W Ambient conditions min Operating temperature min Max altitude m Mechanical features min Operating position normal Fixing min Tightening torque for terminals min min It in the initial libin	4 230/400 480Y/277 50/60
Rated impulse withstand voltage Uimp kV Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated frequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions Operating temperature Operating temperature min °C max °C Max altitude m Mechanical features operating position Operating position normal Fixing min Nm max Nm min lbin max lbin	4 230/400 480Y/277 50/60
Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated frequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features operating voltage accelerations Operating position normal Fixing min Nm max Nm min Ibin max Ibin	230/400 480Y/277 50/60
Rated operational voltage AC (UL) V Rated frequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C max °C Storage temperature min °C max °C Tising Tightening torque for terminals Tightening torque for terminals min Nm max Nm min Ibin max Ibin	480Y/277 50/60
Rated frequency Hz Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features operating torque for terminals Fixing Tightening torque for terminals min Nm <max nm<="" td=""> min Nm max Nm Itightening torque for terminals min Nm</max>	50/60
Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min C max Storage temperature min Max altitude m Mechanical features ormal Operating position normal Fixing min Tightening torque for terminals min Min Nm min Ibin	
Tripping curve KA Short circuit rating (IEC) KA Short circuit rating (UL) KA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features mormal Fixing min Nm max Nm min Ibin max Ibin	13
Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature Max altitude m Mechanical features mormal Fixing normal Tightening torque for terminals min Nm min Nm min Ibin	D
Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature Max altitude m Mechanical features m Operating position normal Fixing min Nm Tightening torque for terminals min Nm max Ibin min Ibin	D
Electrical life cycles Power dissipation per pole max Ambient conditions Operating temperature min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	10
Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C max °C Max altitude min °C max °C Max altitude m Mechanical features mormal Fixing min Nm max Nm min Ibin max Ibin	10
Ambient conditions min °C Operating temperature min °C Storage temperature min °C Max altitude m °C Max altitude m Mechanical features Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin	10000
Operating temperature min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features m Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin	1.69
min °C max °C Storage temperature min °C max °C Max altitude m Mechanical features m Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin	
max °C Storage temperature min °C max °C max °C Max altitude m m Mechanical features m m Operating position normal m Fixing min Nm Tightening torque for terminals min Nm max Nm max Nm min Ibin max Ibin	
Storage temperature min °C max °C max °C Max altitude m m Mechanical features Operating position m Fixing normal Fixing Tightening torque for terminals min Nm min Nm max Nm min Ibin max Ibin	-40
min °C max °C Max altitude m Mechanical features m Operating position normal Fixing Tightening torque for terminals min Nm min Nm min Ibin	+70
max °C Max altitude m Mechanical features normal Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin	
Max altitude m Mechanical features Operating position Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	-40
Mechanical features Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	+80
Operating position normal Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	2000
normal Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	
Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin	
Tightening torque for terminals min Nm max Nm min Ibin max Ibin	Vertical plan
min Nm max Nm min Ibin max Ibin	35mm DIN rail
max Nm min Ibin max Ibin	
min Ibin max Ibin	1.8
max Ibin	2
	16
Terminals tool	17.7
	Pz 2
Conductor section	
IEC	
min mm²	
max mm²	1
AWG/Kcmil	1 35
min	
max	
Mechanical life cycles	35
Weight g	35



P1MBUH3PD13

" max)

5 max –

MINIATURE CIRCUIT BREAKER, 3P - 10KA. 3 MODULES, CHARACTERISTIC D, 13A

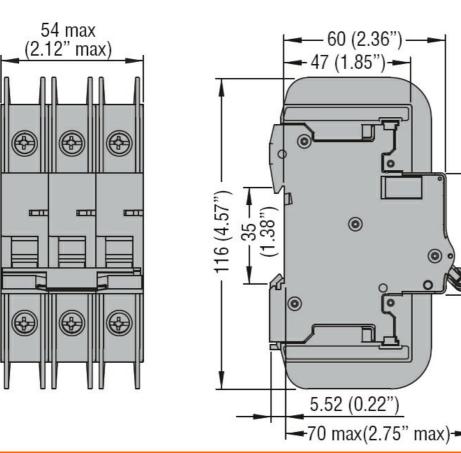
ENERGY AND AUTOMATION

Frontal IP degree Pollution degree

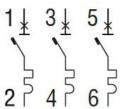
Dimensions



2



Wiring diagrams



Certifications and compliance		
Compliance		
	IEC/EN 60947-2	
	UL489	
Certifications		
	cULus	
	EAC	
ETIM classificatior		
		EC000042 -
ETIM 8.0		Miniature circuit
		breaker (MCB)