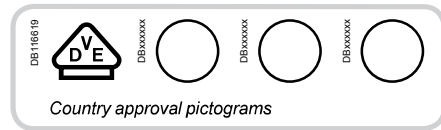


iC60L circuit breakers instantaneous circuit breakers (ICB) (curve MA)



IEC/EN 60947-2



- iC60L curve MA circuit breakers combine the following functions:
 - circuit protection against short-circuit currents,
 - suitability for industrial isolation according to IEC/EN 60947-2, standard,
 - fault tripping indication by a red mechanical indicator in circuit breaker front face,
 - to be associated with overload protection for motor.

Alternating current (AC) 50/60 Hz					
Breaking capacity (Icu) according to IEC/EN 60947-2				Service breaking capacity (Ics)	
Ph/Ph (2P, 3P)	Voltage (Ue)				
Rating (In)	1.6 to 16 A	220 to 240 V	380 to 415 V	440 V	50 % of Icu
	25 à 40 A	40 kA	20 kA	15 kA	50 % of Icu
		30 kA	15 kA	10 kA	

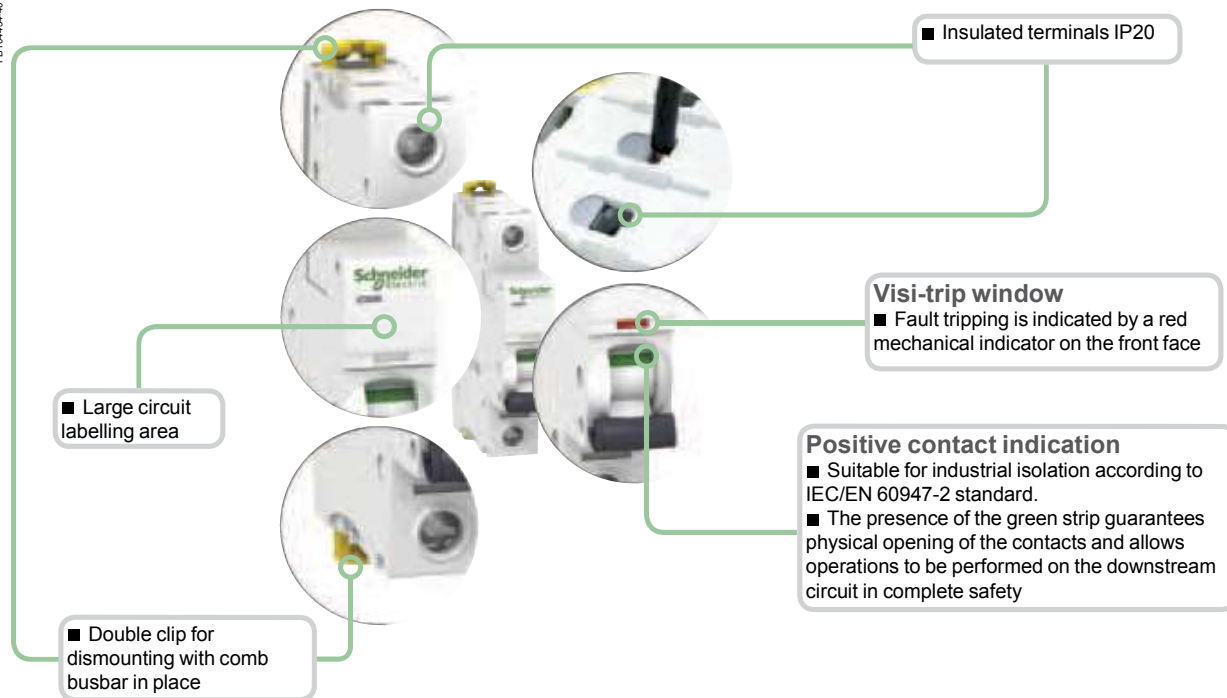
Catalogue numbers

iC60L instantaneous trip circuit breaker		
Type	2P	3P
Auxiliaries	Remote tripping and indication, module CA907000 and CA907002	Remote tripping and indication, module CA907000 and CA907002
Vigi iC60	Vigi iC60 add-on residual current device, module CA902005	Vigi iC60 add-on residual current device, module CA902005
Rating (In)	Quality label (1)	Curve MA
1.6 A		A9F90272
2.5 A		A9F90273
4 A		A9F90204
6.3 A		A9F90276
10 A		A9F90210
12.5 A		A9F90282
16 A		A9F90216
25 A		A9F90225
40 A		A9F90240
Width in 9-mm modules	4	6
Accessories	Module CA907000 and CA907001	Module CA907000 and CA907001

(1) Information to be provided by the country.

iC60L circuit breakers instantaneous circuit breakers (ICB) (curve MA) (cont.)

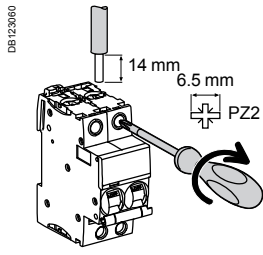
PS 104034-40



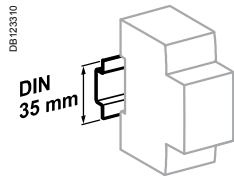
- Increased product service life thanks to:
 - overvoltage resistance by high level of industrial performances conception (pollution degree, rated impulse withstand voltage and insulation voltage),
 - high performance limitation (see limitation curves),
 - fast closing independent of the speed of actuation of the toggle.
- Remote indication, open/closed/tripped, by optional auxiliary contacts.
- Top or bottom electrical feeding.

iC60L circuit breakers instantaneous circuit breakers (ICB) (curve MA) (cont.)

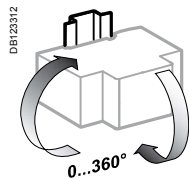
Connection



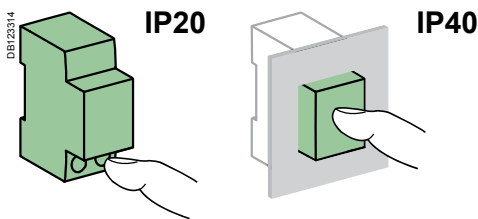
Rating	Tightening torque	Without accessory		With accessories			
		Copper cables Rigid	Flexible or with ferrule	50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal Rigid cables Flexible cables	
1.6 to 16 A	2 N.m	DB122445 1 to 25 mm ²	DB122446 1 to 16 mm ²	DB122455 Al 50 mm ²	DB118789 Ø 5 mm	DB118787 3 x 16 mm ²	-
25 to 40 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	-	3 x 10 mm ²	-



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Main characteristics

According to IEC/EN 60947-2

Insulation voltage (Ui)	500 V AC
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6 kV
Thermal tripping	Reference temperature Temperature derating
	50 °C See module CA908007
Magnetic tripping	MA curve
	12 In ± 20 %
Utilization category	A

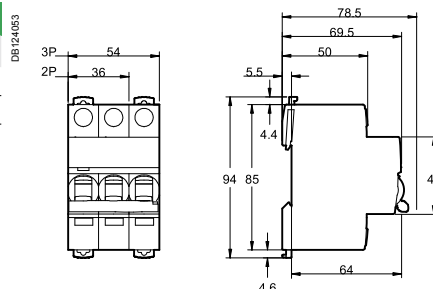
Additional characteristics

Degree of protection (IEC 60529)	Device only Device in modular enclosure	IP20 IP40 Insulation class II
Endurance (O-C)	Electrical Mechanical	10,000 cycles 20,000 cycles
Overvoltage category (IEC 60364)		IV
Operating temperature		-35°C to +70°C
Storage temperature		-40°C to +85°C
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity 95 % to 55°C)

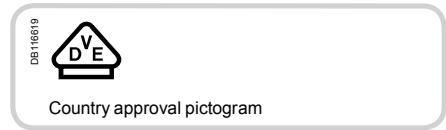
Weight (g)

Circuit-breaker	
Type	iC60L
2P	250
3P	375

Dimensions (mm)



NG125LMA circuit breakers (curve MA)



IEC/EN 60947-2

- NG125LMA circuit breakers combine the following functions:
 - circuit protection against short-circuit currents,
 - suitability for industrial isolation according to IEC/EN 60947-2, standard,
 - fault tripping indication by a red mechanical indicator in circuit breaker front face,
 - they must be associated with overload protection for motor.



NG125LMA 2P



NG125LMA 3P

Alternating current (AC) 50/60 Hz					
Breaking capacity (Icu) to IEC/EN 60947-2					
Ph/Ph (2P, 3P)	Voltage (Ue)				Service breaking capacity (Ics)
	220 to 240 V	380 to 415 V	440 V	500 V	
Rating (In) 4 to 80 A (trip units)	100 kA	50 kA	40 kA	15 kA	75 % of Icu

Catalogue numbers

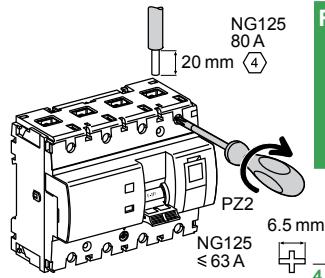
NG125LMA circuit breaker					
Type	2P		3P		
Auxiliaries	Remote indication and tripping, module CM907004 and CM907005				
Vigi NG125	Vigi NG125 add-on residual current device, module CM902008				
Rating (In)	Quality label (1)	Magn. I (A)	Curve MA	Curve MA	
4 A		50	18868	18879	
6.3 A		75	18869	18880	
10 A		120	18870	18881	
12.5 A		150	18871	18882	
16 A		190	18872	18883	
25 A		300	18873	18884	
40 A		480	18874	18885	
63 A		750	18875	18886	
80 A		960	18876	18887	
Width in 9 mm modules			6	9	
Accessories			Module CM907004 and CM907006		

(1) Information to be supplied by the country concerned.

NG125LMA circuit breakers (curve MA) (cont.)

Connection

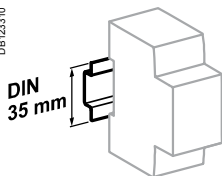
DB122861



Rating	Tightening torque	Without accessories		With accessories				
		Copper cables		70 mm ² Al terminal	Screw-on connection for ring terminal	Small ring terminal	Multi-cable terminal	
		Rigid	Flexible or with ferrule	Rigid single cables			Rigid cables	Flexible cables
4 to 63 A	3.5 N.m	DB122845 1.5 to 50 mm ²	DB122846 1.5 to 35 mm ²	DB123410 -	DB123488 -	DB118769 -	DB118767 3 x 16 mm ²	
2P 80 A	6 N.m	16 to 70 mm ²	10 to 50 mm ²	-	2 x 35 mm ² 1 x 50 mm ²	1 x 70 mm ²		
3P 80 A				25 to 70 mm ²				

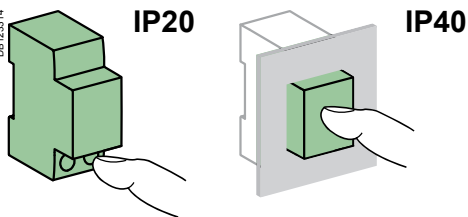
■ On 3P 80 A: upstream voltage taps for each pole, by 6.35 mm Fast-on terminal.

DB123310



Clips on to 35 mm DIN rail.

DB123514



Technical data

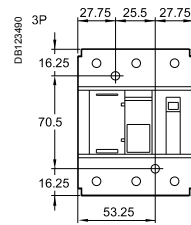
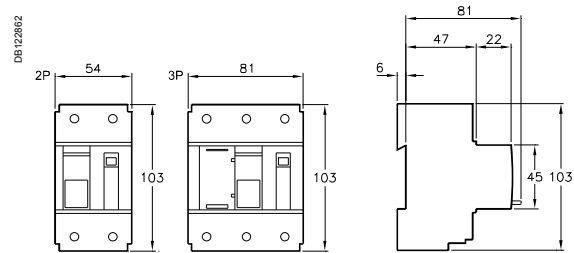
Main characteristics		
According to IEC/EN 60947-2		
Insulation voltage (Ui)		690 V AC
Degree of pollution		3
Rated impulse withstand voltage (Uimp)		8 kV
Thermal tripping	Reference temperature	40°C
Magnetic tripping (Ii)	MA curve	12 In ± 20 %
Utilization category		A
Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Operating temperature		-30°C to +70°C
Storage temperature		-40°C to +70°C
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity of 95 % at 55°C)

NG125LMA circuit breakers (curve MA) (cont.)

Weight (g)

Circuit breaker	
Type	NG125LMA
2P	480
3P	720

Dimensions (mm)



Spacing for mounting on panel

NG125LMA circuit breakers (curve MA) (cont.)

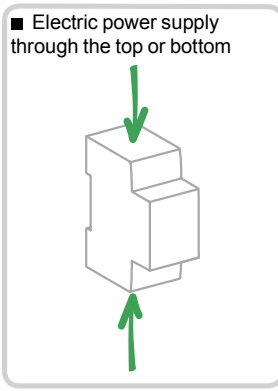
056018N_SE-00

- Cable strength:
 - ribbed cage
 - terminal depth
 - tightening by Allen hex key (NG125 80 A)

- Test button to check satisfactory operation of the tripping mechanism

- 3P
 - Pull-out strength:
 - metallic lock

- Impact and vibration resistance:
 - high-strength enclosure
 - IK 05

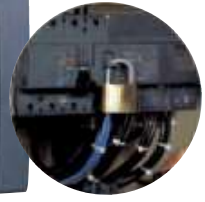


DB123405

- 3P 80 A
 - Voltage taps:
 - auxiliaries power supply
 - measurement
 - emergency stop
 - remote reporting



- Padlocking in position:
 - O or I, manual control is inhibited, tripping is enabled



- 3P
 - Integrated padlocking device

- Central manual control, 3 positions:
 - ON
 - tripped on fault
 - open

- Circuit breaker tripped indicator

- Positive contact indication:
 - suitability for isolation in the industrial sector to IEC/EN 60947-2
 - the presence of the green strip guarantees that the contacts open physically and allows work to be carried out safely on the downstream circuit

- Longer product service life due to:
 - good overvoltage withstand capacity,
 - high limitation performances,
 - fast closure independent of the speed of actuation of the toggle.