Multi9 Vigi C60 – Residual Current Devices – Add-on for C60

IEC

IEC/EN 61009-1

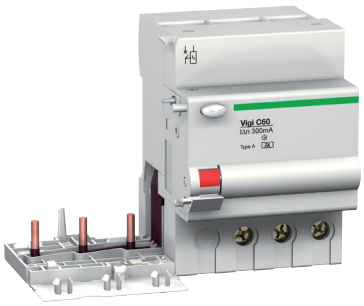
As per the above standard:

- Combined with C60 circuit breaker, the Vigi C60 provide:
  - protection of persons against electric shock by direct contact (30 mA),
  - protection of persons against electric shock by indirect contact (300 mA),
  - protection of installations against the risk of fire (300 mA).

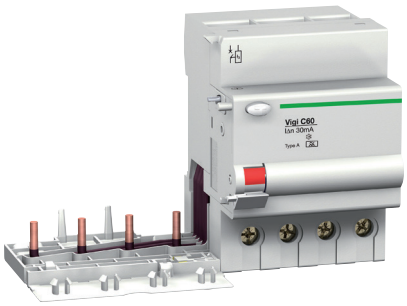
- The **A-SI** type provides increased immunity from electrical interference and polluted or corrosive environments.

DB406509-40

DB406510-40



DB406511-40



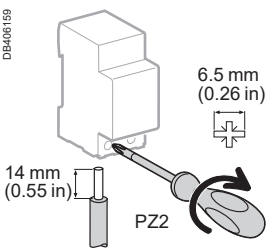
Catalog numbers

Vigi C60 add-on residual current devices

Type			AC		A-SI	Width in 9-mm (0.35 in) modules
2P		Sensitivity	30 mA	300 mA	30 mA	
DB406518	Rating	63 A	M9V11263	M9V14263	M9V31263	4
3P		Sensitivity	30 mA	300 mA	30 mA	
DB406519	Rating	63 A	M9V11363	M9V14363	M9V31363	7
4P		Sensitivity	30 mA	300 mA	30 mA	
DB406520	Rating	63 A	M9V11463	M9V14463	M9V31463	7
Voltage rating (Ue)		2P	230 - 240 V			
		3P-4P	400 - 415 V			
Operating frequency			50 Hz			

Connection

DB406159



Tightening torque	Copper cables (*)			
	Rigid		Flexible or with ferrule	
	DB122945		DB122946	
3.5 N.m / 31 lb.in	1 to 35 mm²	AWG #18 to #2	1 to 25 mm²	AWG #18 to #4

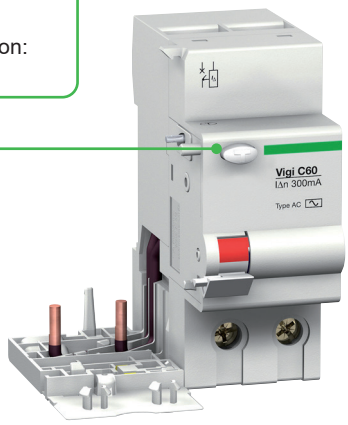
(*) See Copper Multi-cable connection chapter for more information, page 113.

Multi9 Vigi C60 – Residual Current Devices – Add-on for C60 (cont.)

DB406909-55

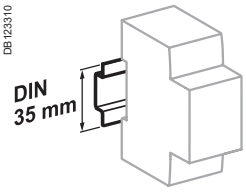
- Reinforced cable pull-out strength: serrated terminals
- Automatic cable guiding in the correct position: terminals with guard

- Test button



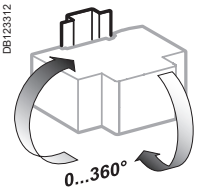
- Every circuit breaker combined with a Vigi module remains compatible with the indication and tripping auxiliaries

DB123310



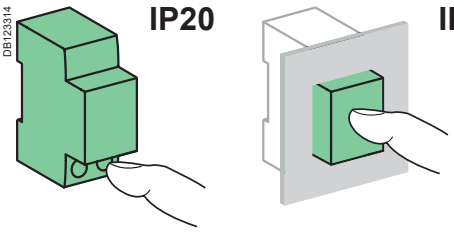
Clip on DIN rail 35 mm (1.38 in)

DB123312



Indifferent position of installation.

DB123314



Technical data

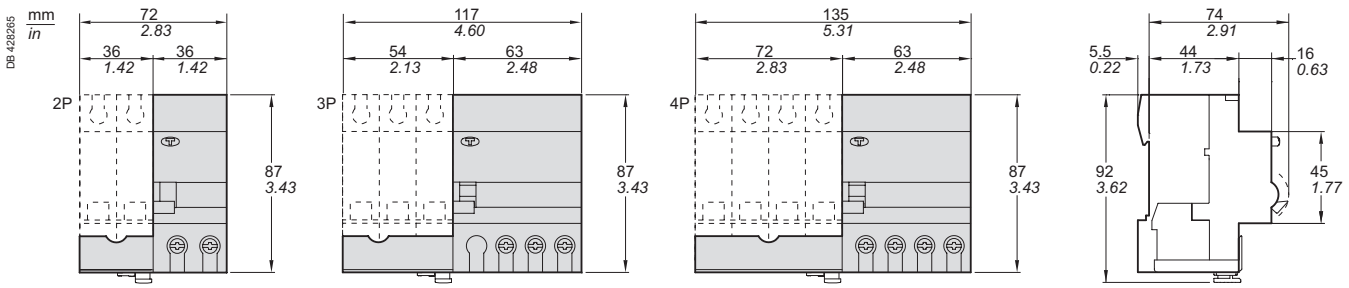
Main characteristics		
According to IEC/EN 61009-1		
Insulation voltage (Ui)	Phase-to-phase	500 V AC
Pollution degree		3
Rated impulse withstand voltage (Uimp)		4 kV
Impulse current withstand (8/20 µs) without tripping	AC types	250 Â
	A-SI types	3 kÂ
Behaviour in case of voltage drop		Residual current protection down to 0 V according to IEC/EN 61009-1 § 3.3.8

Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40 Insulation class II
Operating temperature	A-SI types	-25°C to +60°C / -13°F to 140°F
	AC type	-5°C to +60°C / 23°F to 140°F
Storage temperature		-40°C to +60°C / -40°F to 140°F
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity 95 % at 55°C / 131°F)
Dissipated power		See page 104

Railways			
Type	**2P**	**3P**	**4P**
Mass of combustible material	**44.4 g / 1.55 oz**	**72.6 g / 2.54 oz**	**72.6 g / 2.54 oz**
Type of combustible material	PA6 MD25 FR & PA6 MD30 FR		
Fire and smoke requirements (EN 45545-2)	HL2 R22 / HL2 R23		
Resistance to shocks and vibrations (IEC 61373)	■ Category 1 ■ Class B		

Weight (g / oz)

	Vigi modules
Type	
2P	150 g / 4.29 oz
3P	210 g / 7.40 oz
4P	210 g / 7.40 oz

Dimensions (mm / inches)

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