

Acti9 Active

A

Best-in-class connectivity in a simplified form

B

To realize the full potential of visibility and advanced protection, the Active Safety System brings together a connected device, a gateway, and power monitoring software.

C



Acti9 Active
A range of devices providing advanced safety functions and in-built connectivity. They connect wirelessly to the gateway and send data to enable monitoring, diagnostics, pre-alarming, and alarming.

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EcoStruxure Panel Server (the gateway)
One of the most advanced gateways for modern-day wireless systems. It's simple to commission and cost-efficient.

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EcoStruxure Power Monitoring Expert
Intuitive-to-use software that aggregates installation data for greater visibility and displays actionable insights. It alerts facility managers to problems as they occur as well as to predicted issues.



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Acti9 Active

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Discover the full range of Acti9 Active devices

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Available in connected and non-connected versions, Acti9 Active devices provide advanced protection with a variety of options – something to suit any set-up.

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Acti9 Active VigiARC



An all-in-one device with integrated connectivity and AFDD, MCB, RCD, and MSU

A combination of AFDD + RCD add-on

Acti9 Active AFDD



A combination of AFDD + MCB

With an AFDD add-on + MCB

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Whatever your needs, our Active Safety System solutions offer a range of specifications, so you can find the right connected or non-connected device for you.

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[Acti9 Active offer specifications](#)

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	Acti9 Active	Acti9 Active	Acti9 AFDD Active	Acti9 AFDD Active
	AFDD+MCB+RCD+MSU	AFDD+RCD Add-on	AFDD+MCB	AFDD Add-on
Current ratings	6 A – 40 A	25 A, 40 A	10 A – 40 A	25 A, 40 A
Breaking capacity	6,000 A, 10,000 A, 10 kA	4,500 A, 6,000 A, 6 kA, 10 kA compliance	6,000 A, 10 kA	4,500 A, 6,000 A, 6 kA, 10 kA compliance
Poles	1P + N	1P + N, 2P	1P + N	1P + N, 2P
Curve	B, C	B, C	B, C	B, C
RCD sensitivity & type	30 mA, A SI	30 mA, A SI	–	–

All devices are available in two options, connected and non-connected. While advanced visibility options can be realized with the full system, the all-in-one non-connected version is also capable of advanced protection.

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The all-in-one option integrates MCB, RCD, and AFDD, with the possibility of in-built connectivity capabilities.

Acti9 VigiARC
(non-connected version)



An all-in-one device with integrated AFDD, MCB, RCD, and MSU

AFDD with an RCD add-on

Acti9 ARC
(non-connected version)



A combination of AFDD + MCB

With an AFDD add-on

Whatever your needs, our Active Safety System solutions offer a range of specifications, so you can find the right connected or non-connected device for you.

[Acti9 Active offer specifications](#)

	Acti9 Active	Acti9 Active	Acti9 AFDD Active	Acti9 AFDD Active
	AFDD+MCB+RCD+MSU	AFDD+RCD Add-on	AFDD+MCB	AFDD Add-on
Current ratings	6 A – 40 A	25 A, 40 A	10 A – 40 A	25 A, 40 A
Breaking capacity	6,000 A, 10,000 A, 10 kA	4,500 A, 6,000 A, 6 kA, 10 kA compliance	6,000 A, 10 kA	4,500 A, 6,000 A, 6 kA, 10 kA compliance
Poles	1P + N	1P + N, 2P	1P + N	1P + N, 2P
Curve	B, C	B, C	B, C	B, C
RCD sensitivity & type	30 mA, A SI	30 mA, A SI	-	-

All devices are available in two options, connected and non-connected. While advanced visibility options can be realized with the full system, the all-in-one non-connected version is also capable of advanced protection.



Acti9

Acti9 Miniature Circuit Breakers – MCBs

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Our new high performance modular system for final distribution, provides unmatched performance when it comes to installation simplification and speed, space saving as well as ease of maintenance and upgrading.

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Acti9 iC40

Miniature Circuit Breakers up to 40 A

- Suitable for isolation in compliance with IEC/EN 60898-1 and/or IEC/EN 60947-2
- Available in 1P+N, 3P and 3P+N for circuits up to 40 A
- Breaking capacity at 4500 A, 6000 A and 10 000 A
- Wide range of tripping curves available: B, C and D
- Class 2 insulation for optimal protection of operators and unqualified persons
- Wide range of operating temperatures: -25 / +70°C
- Sharing same key features with Acti9 iC60 in regards to aesthetics, form-factor, range of auxiliaries
- VisiTrip offers a visible fault indicator for fast and optimized on-site servicing
- VisiSafe offers a visible green strip with reinforced insulation for maintenance in better safety conditions
- Environmentally friendly with 100% recyclable and recoverable materials.

Product References



Application

- Acti9 iC40 system is dedicated to the small and medium buildings applications.
- Low-voltage final distribution installations.

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Acti9 iC60

Miniature Circuit Breakers up to 63 A

- VisiSafe: provides protection during maintenance work on downstream circuits
- VisiTrip: signals with a redflag the faulty miniature circuit breaker outgoers to reduce intervention time
- Class-2 insulation: double insulation distance to ensure continuous protection or both operators and unqualified persons
- Pollution Class 3 for operation in more polluted environments such as some industrial applications
- Fully compliant with standards IEC/EN 60898-1 and IEC/EN 60947-2
- Add-on fully immune Acti9 iC60 Vigi earth leakage protection devices: improved continuity of service, especially in polluted environments and networks
- Offers a wide range of electrical auxiliaries: remote indication of Acti9 iC60 status and several tripping actuators: shunt trip, undervoltage trip, overvoltage trip.

Product References



Application

Providing essential protection in industrial and commercial buildings, our miniature circuit breakers work especially well in polluted environments and networks.

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Acti9 C120

Miniature Circuit Breakers up to 120 A

- Nominal current: 10 to 125 A
- Large choice of breaking capacities and tripping curves (B, C, D)
- Compliant with IEC EN 60898 or IEC 60947-2 depending on the version.
- Suitable for isolation: compliant with IEC 60947
- VisiSafe provides a visible green indicator showing which circuits are disconnected and safe for maintenance operations
- Operating voltage: up to 440 V AC
- Insulation voltage: 500 V AC
- IP20 terminal insulation
- Optional add-on residual current device modules: Acti9 C120 Vigi
- Optional electrical auxiliaries for remote open/closed status or remote tripping of Acti9 C120 circuit breaker with shunt, overvoltage and undervoltage release.

Product References



Application

- Protection of electrical circuits in all industrial and commercial buildings.
- Particularly suited to higher ratings applications.

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Product References

Acti9 NG125

High performance Miniature Circuit Breakers up to 125 A

- Nominal current: 10 to 125 A
- Provides the user with a large choice of breaking capacities and tripping curves: B, C, D...
- Fully Compliant with standards: IEC 60947-2, as certified by national official authorities
- Suitable for isolation in accordance with industrial standards: IEC 60947
- Operating voltage: up to 500 V AC
- Insulation voltage: 690 V AC
- Provides installers with optional add-on earth leakage modules: Vigi NG125
- Several optional auxiliaries: indication of state and tripping, shunt trip, undervoltage trip, overvoltage trip.



Designed with providing essential protection to industrial and tertiary buildings in mind:

- Incoming protection in modular enclosure.
- Outgoers in power switchboards.

AFDD



Product References

Advanced fire-protection devices with inbuilt connectivity and option of advanced circuit protection due to integrated miniature circuit breaker.

Acti9 iARC

Mitigates the risk of electrical fires caused by electrical arcs resulting from faulty or worn electrical appliances and circuits.

- Worn or aging cabling
- Pinched conductors in earthed metallic cases
- Pinched extension cables trapped by doors
- Plugs being repeatedly removed by pulling the cable rather than the plug, thus causing the insulation to fail
- Rodent damage to cable insulation
- Damage caused by cables being exposed to sunlight (UV)
- Damage caused by drilling into walls with hidden electrical cables
- Loose cable connections in wall socket outlets, power strip sockets and junction boxes
- Damage caused by heat, vibration and humidity to wall mounted cables and sockets.



Application

- New building construction of single residence or multi-residence buildings.
- Retrofitting existing single residence or multi-residence buildings.



Product References

Acti9 ARC, Acti9 Active VigiARC, Acti9 VigiARC, Acti9 Active AFDD and Acti9 AFDD

Advanced fire-protection devices with inbuilt connectivity and option of advanced circuit protection due to integrated miniature circuit breaker.

- Increase Service Continuity and Resilience with our all-in-one connected solution
- Increased Service Continuity: fewer breakdowns with pre-alarms and alarms
- Enhanced Efficiency: easy remote monitoring, diagnostics and analytics mean fewer disruptions and more efficiency gains
- Advanced Protection: All-in-one solutions covering a wide range of faults, with in-built MCB, and AFDD
- Simple Installation and Upgrade: integrated devices and wireless connectivity to the gateway, make the system easy to install and upgrade
- Compact, requiring no extra space: an integrated device in 36 mm makes it suitable for even small spaces.



Application

Customize the Pre-Alerts based on your preference to have ample time to work on resolving the issues.

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Acti9

Acti9 Surge Protection Devices – SPDs

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Protection of electrical and electronic equipment, telephone and computer lines against transient overvoltages of atmospheric origin and maneuvering.

Acti9 iPRD

Surge Protection Devices Type 2 or 3, from 8 kA to 65 kA

- Certified for short-circuit current withstand, I_{sc} up to 50 kA (IEC 61643-11: 2011)
- The maximum discharge current covers from 8 to 65 kA
- The maximum continuous operating voltage U_c is 350 V AC or 460 V AC
- They are suitable for any earthing system: TT, TN-S, TN-C and IT
- Withdrawable cartridges of Acti9 iPRD Surge arresters allow quick replacement of damaged devices
- It is possible to use multipolar or unipolar products for serial assembly
- The Acti9 iPRD surge arresters "r" version have dry contacts for transferring remotely the end-of-life information.

Product References



Application

Protect the electrical installations in all industrial and tertiary buildings against induced or conducted surges caused by indirect lightning strikes.

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Acti9 iPF K

Surge Protection Devices Type 2 from 20 kA to 65 kA

- Maximum discharge current: from 20 to 65 kA
- Surge arrester/disconnector combinations is certified for short-circuit current withstand I_{sc} up to 6 kA (IEC 61643-11:2011)
- Maximum continuous operating voltage $U_c = 340$ V AC
- Monobloc form factor
- Multiple-pole or single-pole products for assembly
- Contacts for the remote transfer of end-of-life information.

Product References



Application

- Protects electrical installations against transient overvoltage and surges caused by indirect lightning strokes in all industrial and tertiary buildings.
- They can also be used in residential sector with appropriate rated discharge current (20 kA).

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Acti9 iPRD1, PRD1

Surge arresters Type 1 or Type 1+2

Impulse discharge current I_{imp} :

- 12.5 kA for Acti9 iPRF1 12.5r is suitable for buildings with protection levels III and IV
- 25 kA for Acti9 PRD1 25r and 35 kA for Acti9 PRD1 Master are suitable for buildings with protection levels I and II.

Surge arresters must be associated with a suitable disconnection device, fuse or circuit-breaker.

These Surge arresters are available either as monobloc or with pluggable cartridges.

These ranges cover all the different earthing system: multiple-pole or single-pole devices to be assembled.

They come with output contacts for remote transfer of end-of-life information (for Acti9 SmartLink or other input/output devices).

- Acti9 iPRF1 12.5r and Acti9 PRD1 25r are also Type 2 rated (8/20 μ s) to protect the electrical equipment by finely clipping the voltage surge
- They are suitable for 230/400 V 50/60 Hz networks, with earthing system TT, TN-S, TN-C
- Acti9 PRD1 Master is also suitable for 440 V IT earthing system.

Product References



Application

Acti9 iPRF1, PRD1 Type 1 Surge arresters protect the electrical installations against induced or conducted surges caused by direct lightning strikes.

- The IEC/EN 62305-2 specifies the use of Type 1 or Type 1+2 Surge Protection Devices in commercial and industrial buildings protected by a lightning conductor or a lightning rod
- Surge Protection Devices are recommended when there is higher risk of direct lightning strikes.

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Acti9 Electrical circuit control



Product References

Acti9 iCT

Modular contactors up to 100 A

Fully consistent with the entire Acti9 range, our DIN rail contactors with electrical control help you control electrical circuits in industrial, residential and commercial buildings efficiently

- Rating: 16, 20, 25, 40, 63 and 100 A
- 1 to 4 poles: 1P, 2P, 3P, 4P
- Fully compliant with standards: EN 61095 and CEI 1095
- Excellent electrical endurance (O-C): 100,000 cycles
- Provides users with up to 100 switching operations a day
- 2 versions available with the option to use either standard or manually operated contactors
- Wide range of flexible optional auxiliaries including: state indication, interference filtering, dual control and time delay.



Application

- Complete control and monitoring solution for electrical circuits in all industrial, commercial and residential buildings
- Easily control and monitor single -or three- phase loads up to 100 A
- Effortlessly interface between the control gear and power circuits for final circuits such as lighting, heating, roller blinds, watering system, ovens, utility motors (ventilation, heat pump), and more.



Product References

Acti9 iTL

DIN rail Impulse relays

Designed with protection in mind and with a host of exclusive features, the Acti9 iTL DIN rail impulse relays, which are fully consistent with the entire Acti9 range, give you total electrical control of circuits in industrial, residential and commercial buildings.

- Class-2 insulation: providing enhanced protection for operators as well as unqualified personnel
- Rating: 16, 32 A
- 1 to 4 poles: 1P, 2P, 3P or 4P
- Easy wiring of multiple control points
- Wide range of control voltage: 230, 130, 48, 24 V AC; 110, 24, 12 V DC
- Lifetime - total number of switching operations (AC21): 200,000 for iTL 16 A; 50,000 for iTL 32 A
- Fully compliant with standards: EN 60-669-1 & EN 60-669-2-2
- Great choice of built-in or optional auxiliary functions including: state indication, centralised control, latched control, control for illuminated PB, step-by-step control and time delay.



Application

- Provides a complete control solution for electrical circuits in all industrial, commercial and residential buildings
- Lighting management via several easy wiring of multiple control points push buttons.

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Acti9

Acti9 indication and tripping auxiliaries

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Simplified electrical maintenance

Designed with protection and with a wide range of features, the Acti9 indication and tripping auxiliaries combine easy installation with high levels of functionality. It includes:

- Automatic reclosing, remote control, remote indication, and tripping
- VisiTrip for quick detection of faulty outgoers and reduced intervention time
- Clip-on assembly system for ease of use.

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Acti9 iOF auxiliaries

Acti9 iOF auxiliaries for remote indication of the state of the device to which they are connected (fully compliant with IEC 60947-5-1 and, IEC 60947-5-4 for low current auxiliaries):

- Remote indication of "open" or "closed" state and of "tripped" state
- Instantaneous tripping when the control circuit is energized, de-energized, or if there is a dip in its supply voltage
- Time-delayed tripping (to cope with micro-breaks or brief voltage drops) when the control circuit is de-energized, or if there is a dip in its supply voltage
- Fail-safe emergency stop tripping.

D

Product References



Application

- Industrial buildings
- Commercial buildings
- Critical building
- Data center
- Machine
- Infrastructure

E



Auxiliary RCA for remote control

- Remote electrical control (opening and closing) of circuit breakers with or without Vigi iC60 add-on RCD and with or without auxiliary.
- Circuit-breaker resetting after tripping, in full accordance with protection principles and regulations.
- Local control feature via an operating handle.

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Product References

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Auxiliary ARA for remote automatic reclosing

- Easily perform automatic reclosing of the associated protection device after tripping.
- Increase the availability of hard to access and isolated installations without supervision (mobile telephony systems, motorways, pumping stations, airports, railways, meteorological stations, service stations, automatic teller machines, public lighting, tunnels, etc.), by restoring them to operate without the need of personal intervention in the event of a transient fault (atmospheric disturbances, industrial overvoltages, etc.).

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Product References

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Acti9 Comb Busbars



Product References

Acti9 range for low voltage DIN rail system up to 63 A.

Thanks to its exclusive features, the Acti9 range for low voltage **DIN rail** system provides absolute safety and better continuity of service.

- **VisiSafe**: for safe operation and maintenance work on circuits
- **Class-2 insulation**: continuous safety for operators and non-qualified personnel.
- **VisiTrip**: detects faulty Miniature Circuit-Breaker outgoers quickly and reduces intervention time
- **Fully immune add-on Residual Current Devices**: better continuity of service, in particular for polluted networks and environments
- **The Reflex iC60 all-in-one concept**, a one-piece combined unit integrating a circuit-breaker + contactor + impulse relay
- **Total coordination guaranteed** by Schneider Electric
- **Optimised design time**, in particular for lighting solutions in buildings
- **50% fewer connections** with the Acti9 Reflex iC60 all-in-one concept
- **Flexible, upgradeable** solutions and simple operations
- **Easier status diagnosis** via product front face indications
- **Multiclip distribution systems** suitable for upgrading electrical facilities, add-ons, adaptation, phase balancing, etc.
- Easy to **adapt** to constraints and last-minute changes in the tertiary and industrial fields
- **Operating and control mode selection**
- **Building management system interfacing**
- **Limitation of intervention costs** on remote structures thanks to the new automatic remote control auxiliary.



Application

- Protection by Miniature Circuit-Breaker (MCB) in all industrial and commercial buildings
- Protection of motor circuits
- Protection of DC circuits
- Protection of people and property by super-immune earth leakage Residual Current Devices (RCDs)
- Protection by surge arresters against overvoltages of atmospheric origin
- Control of power and control circuits by contactors and impulse relays
- Remote control of circuits by remote controls associated with Miniature Circuit-Breaker
- Remote control and protection of circuits by integrated control circuit-breaker
- Programming, regulation, signalling, etc.

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Learn more about
Acti9 Active
and Acti9
ranges here



Scan or
click on
QR code

Offer

If you need more details about product references and availability, please check your local Schneider Electric contact <https://www.se.com/ww/en/work/support/country-selector/contact-us.jsp>

Easy9

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Protection devices MCB RCCB RCBO SW SPD



With everything from comb busbars to MCBs in the range, you are bound to find flexibility with the **Easy9** protection range, designed to provide you with maximum electrical protection in residential buildings.

F

Easy9 devices

Included in the range:

- Miniature circuit breakers (MCBs) for short circuit protection and overload protection
- Residual current circuit breakers (RCCBs) for earth leakage protection
- Residual current devices (RCBOs) for earth leakage protection, short circuit protection and overload protection
- Switches for Isolation
- Surge protection devices (SPD) for Surge protection
- Comb busbars for power distribution.

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Application

Targeted towards the residential sector, the Easy9 range gives you electrical protection in residential buildings, and provides you with complete peace of mind, ease of use and reliability.

- Designed with the residential market in mind
- Ideally suited to individual and collective buildings.

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Easy9 Incoming Devices



Switch-disconnectors



- Positive contact indication
- Suitable for isolation according to BSEN 60947-3 standard
- Manual control on front face by O-I lever

Characteristics

Main characteristics

Operating category	AC-22 A
Permissible rated short-time withstand current (I _{sw})	12 I _e , 1 second
Conditional rated short-circuit current (I _{nc})	5000 A
Rated short-circuit closing current (I _{cm})	15 I _e

Additional characteristics

Degree of protection (IEC 60529)	Device only	IP20
Endurance (O-C)	Mechanical	40 -100 A: 8500 cycles
	Electrical	40 -100 A: 1500 cycles
Operating temperature		-25°C to +60°C
Storage temperature		-40°C to +85°C
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95% to 55°C)



RCCB residual current circuit breakers



- Positive contact indication
- Fault tripping indication on the front panel by the position of the handle
- (O - I engraved)

Characteristics

Main characteristics

Rated impulse withstand voltage (U _{imp})	4 kV
Conditional rated short circuit current (I _{nc} /Δt _c)	4.5 kA or 6 kA

Additional characteristics

Degree of protection (IEC 60529)	Device only	IP20
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95% to 55°C)
Operating temperature		-5°C to 60°C
Storage temperature		-40°C to +85°C

Easy9

Easy9 Devices

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- Fault tripping indication on the front panel by position of the handle
- (O-I engraved)

Miniature circuit breakers 6 kA

Easy9 circuit breakers combine the following functions:

- Circuit protection against short-circuit currents
- Circuit protection against overload currents.

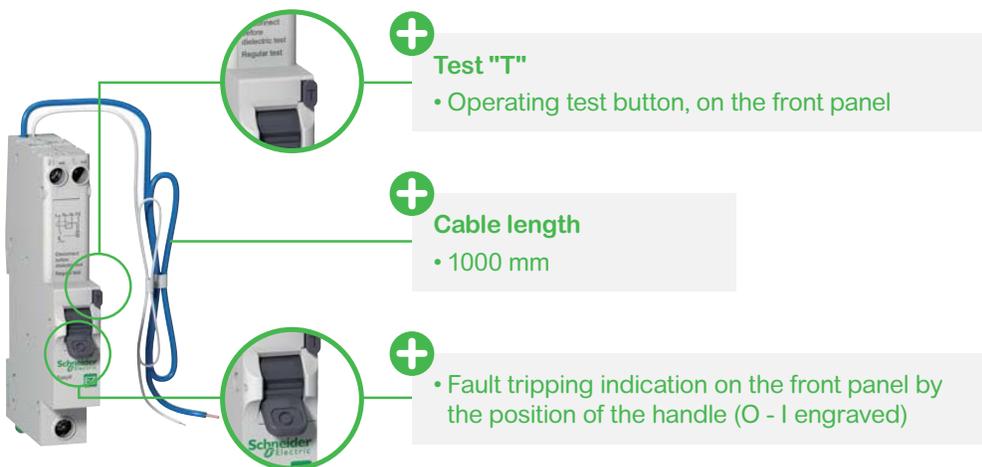
Characteristics

Main characteristics		
Voltage rating (Ue)		230/400 V AC
Operating frequency		50/60 Hz
Electrical feeding		By the top and bottom
Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95% to 55°C)
Operating temperature		-25°C to +60°C
Storage temperature		-40°C to +85°C

Easy9 Devices (continued)

RCBO residual current devices 6 kA

Certified compliant BS EN 61009-1.



Characteristics

Main characteristics		
Endurance (O-C)	Electrical	4000 cycles
	Mechanical	10000 cycles
Passive, will not trip in the event of a voltage loss		
Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
Overvoltage category (IEC 60364)		IV
Operating temperature		-15°C to +60°C
Storage temperature		-40°C to +85°C
Hazardous substances		RoHS 2003 compliant
Tropicalisation (IEC 60068-1)		Treatment 2 (relative humidity 95% to 55°C)



Learn more about Easy9 range here



Scan or click on QR code

Offer

If you need more details about product references and availability, please check your local Schneider Electric contact <https://www.se.com/ww/en/work/support/country-selector/contact-us.jsp>

