

# The efficiency you deserve

## > Acti 9

The complete high-performance  
modular system for final distribution

**Schneider**  
Electric

# 5 generations

of industry experience and 21 new patents  
make Acti 9 the new reference in low voltage  
modular systems.





# > Acti 9™

'In short, I optimise my own energy.'



The new core modular system that makes your power distribution installation safer, simpler and more efficient.

We leveraged five generations of low voltage expertise to design a precise, high-quality modular system without compromise. Acti 9 offers the fastest and most flexible installation experience. Engineered to adapt to the most challenging networks and environments while remaining cost-effective over time, it is the most flexible, coordinated, comprehensive and innovative range of low voltage modular devices available.

In addition to the core protecting offer, Acti 9 communication system uses Modbus protocol, provides real time data from your panels and circuits. It allows load control and monitoring, and includes prefabricated wiring to give you instant, error-proof connectivity.



Acti 9 gives you safety, simplicity, and efficiency for the life span of your installation.



High-quality modular system without compromise.



Acti 9: the fifth generation of modular systems.

# Acti 9

The safest, simplest and most efficient system for power distribution solutions.

## Protection devices

- > Miniature circuit breaker
- > Residual current circuit breaker
- > Vigi residual current devices
- > Surge arrester

## Protection monitoring and supervision

- > Indication and tripping auxiliaries
- > Remote control auxiliaries
- > Automatic recloser auxiliaries



## Safer

VisiSafe and Class 2 give complete safety for the life of your installation.



## More efficient

VisiTrip, super immunisation, and automatic reclosers increase continuity of service and enhance reliability.

## Control and monitoring

- > Contactors
- > Impulse relays
- > Integrated control circuit breaker
- > Light indicators
- > Push-buttons and selector switches
- > Kilowatt hour meters
- > Communicating architecture

## Installation system

- > Full range of mounting and wiring accessories



## Simpler and smarter

Two certifications for one product, 100 per cent MCB and RCD coordination, and easy ordering and design.



## Monitor and adjust specific loads

Manage loads, reduce operating or project costs, and accurately plan maintenance.



# Safe

Safest operation guaranteed even in the most demanding environments.



Best choice for industrial and tertiary buildings



## Designed for safety, even in the most demanding environments

Safety matters most, and Acti 9 gives you, your customers and their installations the highest level of protection available. Its international certifications and numerous protection innovations mean Acti 9 exceeds even the most demanding requirements to give you total safety during maintenance, for the lifetime of your installation.

## Comprehensive certification

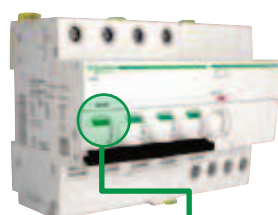


### **Delivers complete industry-approved protection**

Acti 9 is fully tested, approved and certified by national and international third parties. It guarantees that your installation is safe and compliant with all relevant safety standards and demonstrates to your customers that you use industry-approved materials and best practices.

**'I have no worries about the safety of the electrical installation, the buildings and everyone inside.'**

## Guarantees total safety during maintenance



**VisiSafe**

Available only from  
Schneider Electric

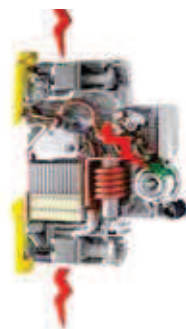
### VisiSafe™

VisiSafe guarantees the downstream circuit is always safe, regardless of overvoltage conditions, wear or operator experience, even in the most demanding environments.

The green strip indicates the safe position of contacts. Unique safety features include:

- highest impulse voltage withstand:  $U_{imp} = 6kV$
- guarantees longer equipment service life despite overvoltage conditions
- highest pollution resistance among modular devices: Pollution Degree Level 3
- a true 'all-terrain' product ideally suited for all environments
- leading edge insulation voltage: 500 V
- complete safety for operators maneuvering the operating handle.

## Promises absolute protection against electric shocks



Available only from  
Schneider Electric

### Class 2 front face

Acti 9 circuit breaker is the only device available with this level of safety. Clearances between breaker surfaces and internal parts are more than double the industry standard. It guarantees risk-free handling during the life of the installation, regardless of environment or operator experience.

## Guarantees long life service



### Fast closing mechanism

Fast closure of all Acti 9 MCBs and RCCBs limits wear and reduces voltage drops, helping to prevent premature equipment aging and overheating.

## Provides zero-risk lockdown



### Integrated padlocking

The integrated padlock guarantees protection and safety of Acti 9 remote control devices, preventing toggle movement and inadvertent or unauthorised access.

# Efficient

## The system that streamlines your operations workflow.



### Designed to minimise downtime and avoid nuisance trips

With features like VisiTrip and super immunisation (SI) of RCDs, an Acti 9 system allows easier building management and reduces downtime and makes your business more competitive limiting intervention costs on distant infrastructures sites.

### Less downtime, more continuity of service

#### **VisiTrip™ minimises downtime and reduces repair times**

Identify faults in one glance and you will easily see the operating status of your network. VisiTrip indicates only the faulty outgoing, allowing fast diagnosis, resolution, and reclosing loads for easier building management and reduced downtime.

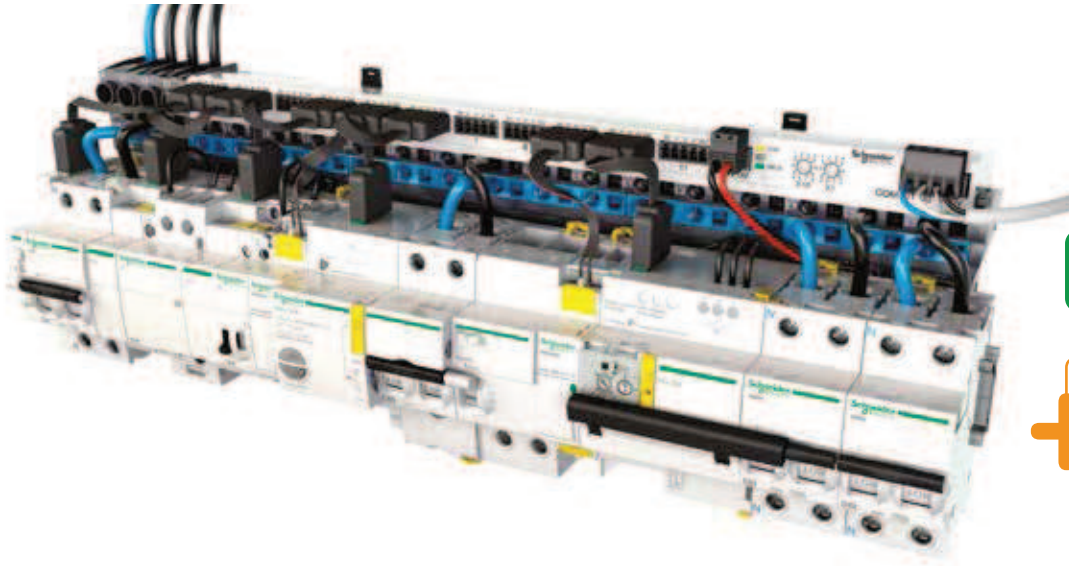


### Prevents unnecessary trips

Super immunisation (SI) of the RCDs guarantees the highest continuity of service and electrical immunity, especially where switchgear contends with electromagnetic or chemical interference. It also meets the high continuity of service requirements in all critical power applications (hospitals, data centres, telecoms, and tunnels).



‘When I install Acti 9 I know I don’t  
have to come back to the job.’



ComReady

Available only from  
Schneider Electric

## Monitoring and control has never been so flexible and fast to implement

No need for complex communication wiring or in/out terminal blocks crowding the switchboard. Acti 9 Smartlink has one-click, prefabricated wiring for fast, easy communication between your distribution panel and any existing facility management system. Acti 9 Smartlink, is enough to connect you to complete control, monitoring and metering capabilities.

### Save time building panels



With Acti 9 Smartlink, panelbuilders can create attractive, error-proof panels with reduced control wiring and cabling. One manufacturer, one system: a fully compatible installation with more space in your switchboard.

### Save time for maintenance



#### **Schedule interventions, maintenance accurately**

Using Acti 9 Smartlink, maintenance personnel can enjoy legible, easy-to-maintain control wiring. They can easily modify parameters, and confidently plan onsite maintenance times.

100%

preventative  
maintenance.

# Simple and Smart |



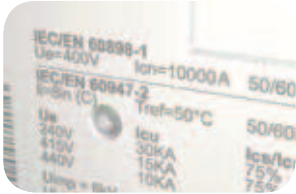
## The right solution for every application

Acti 9 simplifies final distribution operations in buildings and industrial facilities, giving you the right solution with the right technical characteristics for every application. As new installation standards emerge or building requirements are modified, Acti 9 can easily scale to meet your needs. It's a flexible, open system with all-in-one, integrated components that can communicate with any building management system.

# Simple to choose, easy to design, install and upgrade.

## Easy to design and choose

### Meets two certifications



Acti 9 miniature circuit breakers comply with AS/NZS 947 (industrial) and AS/NZS 898 (tertiary) standards – two certifications in one product – making it perfect for commercial and industrial applications.

## 30%

of switchboards are modified at design, cabling, or commissioning stages, increasing project start-up times.

### Supports intuitive ordering and design



Meaningful part numbers mean no mistakes and no doubts when ordering or designing. Get the product type, poles, and rating in one glance.

**A9XXX225 = 2P, 25A**

### Guarantees 100 per cent coordination



100 per cent coordination between RCDs and MCBs means no more searching through technical guides or coordination tables. Plus, in the Reflex™ iC60 protection and control are a unique all-in-one concept fully covered by the manufacturer's warranty.

### Reflex iC60: the all-in-one concept integrated control circuit breaker



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Reflex iC60 combines the functions of an MCB and contactor. Designed to evolve and adapt with the dynamic requirements of tertiary and industrial lighting control applications, it easily communicates with PLCs and BMS systems without the need for add-ons, retrofits, or extras. Everything you need is included.

**ComReady**



# Simple and Smart

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## Easy to install

Allows heavy-duty, reliable tightening



Twice the terminal tightening torque for more robust connections.



ComReady



Lighting control solution with (left) and without (right) Reflex iC60 all-in-one concept.

## Up to 50 per cent less wiring

Reflex iC60 all-in-one concept means up to 50 per cent less wiring for reduced cabling and more efficient verification and connection.

'Everything is simpler with Acti 9. Whatever the application, I have no second thoughts.'

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## Easy to operate

### Provides greater readability



Its ergonomic interface allows specific color coding for padlocking devices. The N indicator is easily readable for speed of servicing. Acti 9 label maker gives your installation a professional appearance.

### Safe and secure connections



Provides secure connections with quick, ergonomic, and safe IP20B terminals shutters.

### Comes with tailored accessories



Acti 9 system includes a comprehensive list of accessories: easily installed padlock system, rotary handle mount for switchboard doors, screw shields, sealable terminal shields and interpole barrier.

# Acti 9 communication system

## > Smart

- Centralise control, collect energy meter data with just a simple, ready-to-connect communication module.
- Large diversity of data available to universal Modbus protocol.

## > Efficient

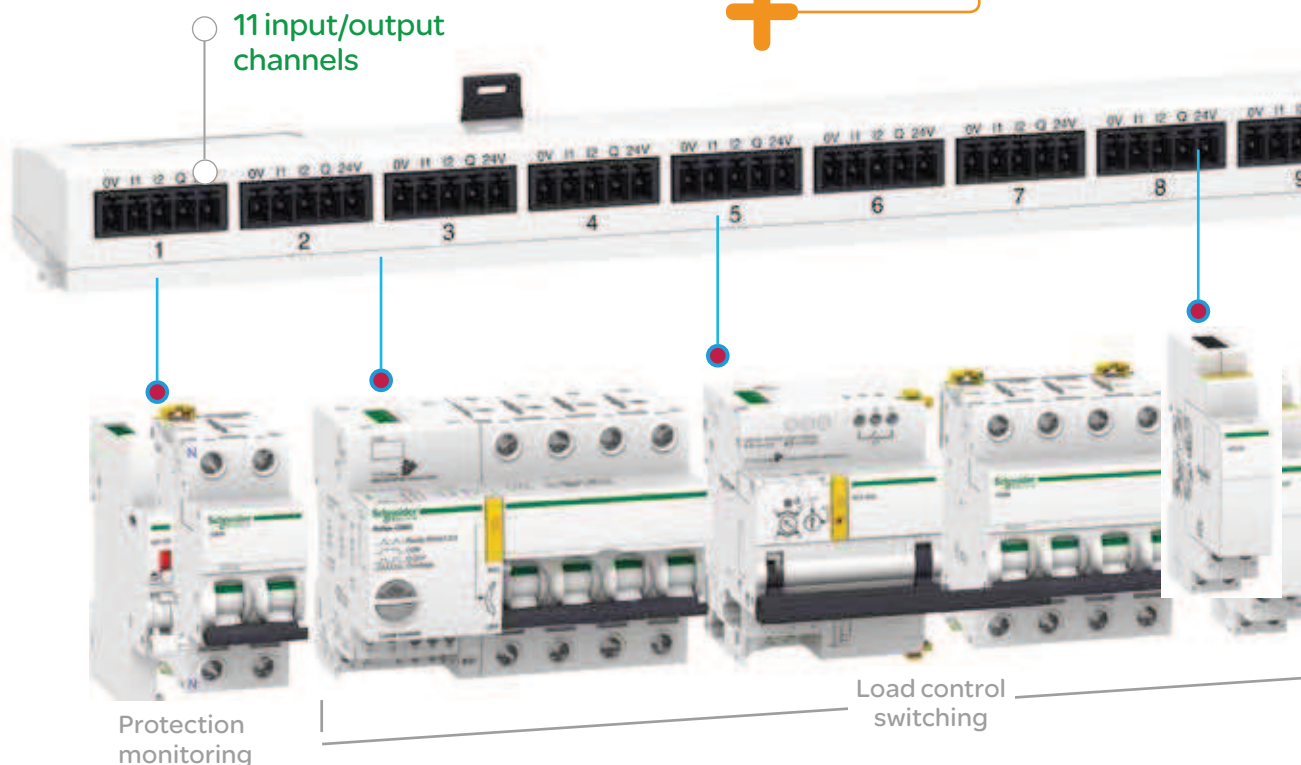
- One-click, prefabricated wiring for comprehensive communication between your distribution panel and any facility management system.

## > Safe

- Reliable, error-proof manufacturer guaranteed connections.
- EMC tested for immunity, radiated and conducted safety.

### Acti 9 Smartlink: the heart of the system

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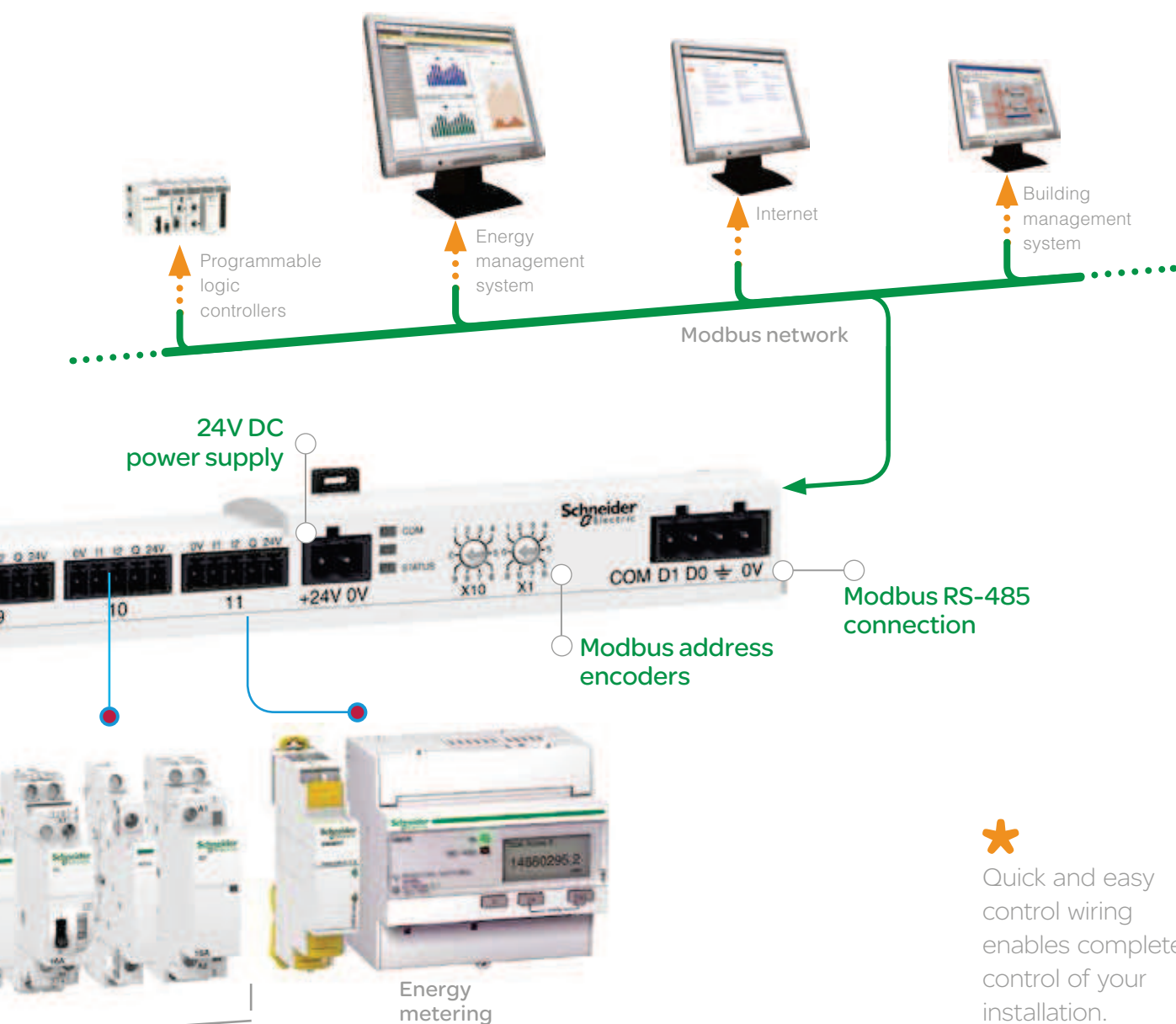


Meets the challenge of all your applications

Interior and exterior lighting, load monitoring, and cost allocation.



# Ready to connect to any facility management solution.



## Monitor and adjust specific loads

Detailed load control, reduced downtime, and accurately planned maintenance.

# Attractive and environmentally friendly



## Advanced ergonomics and attention to detail

Acti 9 is designed to be noticed. We incorporated clean lines with distinctive, gently rounded shapes to give Acti 9 its faultless appearance. It immediately suggests well designed and user friendly aesthetics and particular attention to detail. Clarity of identified circuits and elegant appearance will have your customers impressed with their outstanding installations.



Acti 9 lets you touch and feel the difference.

## High-quality, subtle, and precise

Holding Acti 9 in your hand, you can feel the high-quality. Contacts close quickly and precisely, with no hint of dubious noise. The solid fit of its components and its smooth surfaces mean you can feel the difference even before you use it.

‘You can tell it’s a high-quality product  
when you hold it in your hands.’



## A better use of energy, from start to finish

Acti 9 helps you meet developing energy efficiency and environmental certifications or requirements, now and in the future. It minimises impact from the design stage, through the installation’s lifetime of use and eventual recycling. Through both design and technology, Acti 9 provides you with the key combination of less impact and more efficiency that is necessary for the environment today.

**100%**

recyclable and  
recoverable  
materials,  
RoHS compliant,  
and REACH.

**Acti 9 is your safe, efficient and simple choice for  
low voltage modular systems.**



# Technical characteristics

## Circuit breakers

## iC60 N, H

ICU (A) at 400V - AS/NZS 60898-1	6000, 10000
ICU (kA) at 415V - AS/NZS 60947-2	10, 15
Type	1P, 1P+N, 2P, 3P, 4P
Rating (A)	0,5 to 63
Curves	B, C, D
Standards	AS/NZS 60947-2, 60898-1



Rating (A)	63	6 to 32
Standards	IAS/NZS 61009-1	AS/NZS 61009-1
Sensitivity (mA)	30, 300	30

Connection between iC60 and iC60 Vigi



## Residual current circuit breakers

## iID

RCD Type	Asi, A, B
Type	2P, 4P
Rating (A)	40 to 100
Standards	IAS/NZS 61008-1
Sensitivity (mA)	30, 300, 300 $\square$



## Electrical auxiliaries and mounting accessories



Combined iOF, iSD, iMN, iMX, and iMSU electrical auxiliaries between iC60 circuit breakers and iID residual current circuit breakers and remote control auxiliaries (RCA).



Terminal shields, interpole barrier, screw shields, plug-in base, padlocking device, clip-on terminal markers and rotary handle.

<b>Standards</b>	IEC 61643-1, IEC 61643-11
<b>Degree of protection</b>	IP20/IP40



## Integrated remote control MCBs Reflex iC60N, iC60H

<b>Curves</b>	B, C, D
<b>Type</b>	2P, 3P, 4P
<b>Rating (A)</b>	10, 16, 25, 40
<b>Standards</b>	IEC 60947-2
<b>Electrical endurance</b>	30 000 cycles (AC1) 6,000 cycles (AC5 a/b) 50 000 cycles (AC21)



<b>Type</b>	1P, 2P 3P, 4P	1P, 2P, 3P, 4P	double single + indicator light	1P, 2P, 3P, 4P	double flashing light voltage presence	three phases three phases neutral
<b>Rating (A)</b>	16, 25, 40, 63, 100	16 and 32	20	20 to 125		40 to 6000



and electromechanical  
timers

switches

weekly programmable thermostats



## Installation and wiring

## Acti 9 Smartlink

<b>Rating (A)</b>	--
<b>Degree of protection</b>	IP20



**Make the most of your energy<sup>SM</sup>**

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