



# Protect your electrical installation against the destructive effects of lightning

Meet the new SPD for residential, commercial, and industrial buildings

Life Is On

**Schneider**  
Electric

# Table of contents



# Protect your business with a single investment

Extreme and unpredictable weather can have negative consequences for any business, but as a commercial, industrial or residential building owner, you can suffer the outcomes more than most.

Without efficient protection, a lightning strike has the potential to cause:

- Prolonged downtime
- Damage to critical electrical components and networks
- Large cost implications
- Staff injury or fatality

**With Schneider Electric, you can get the efficiency and peace of mind you deserve.**



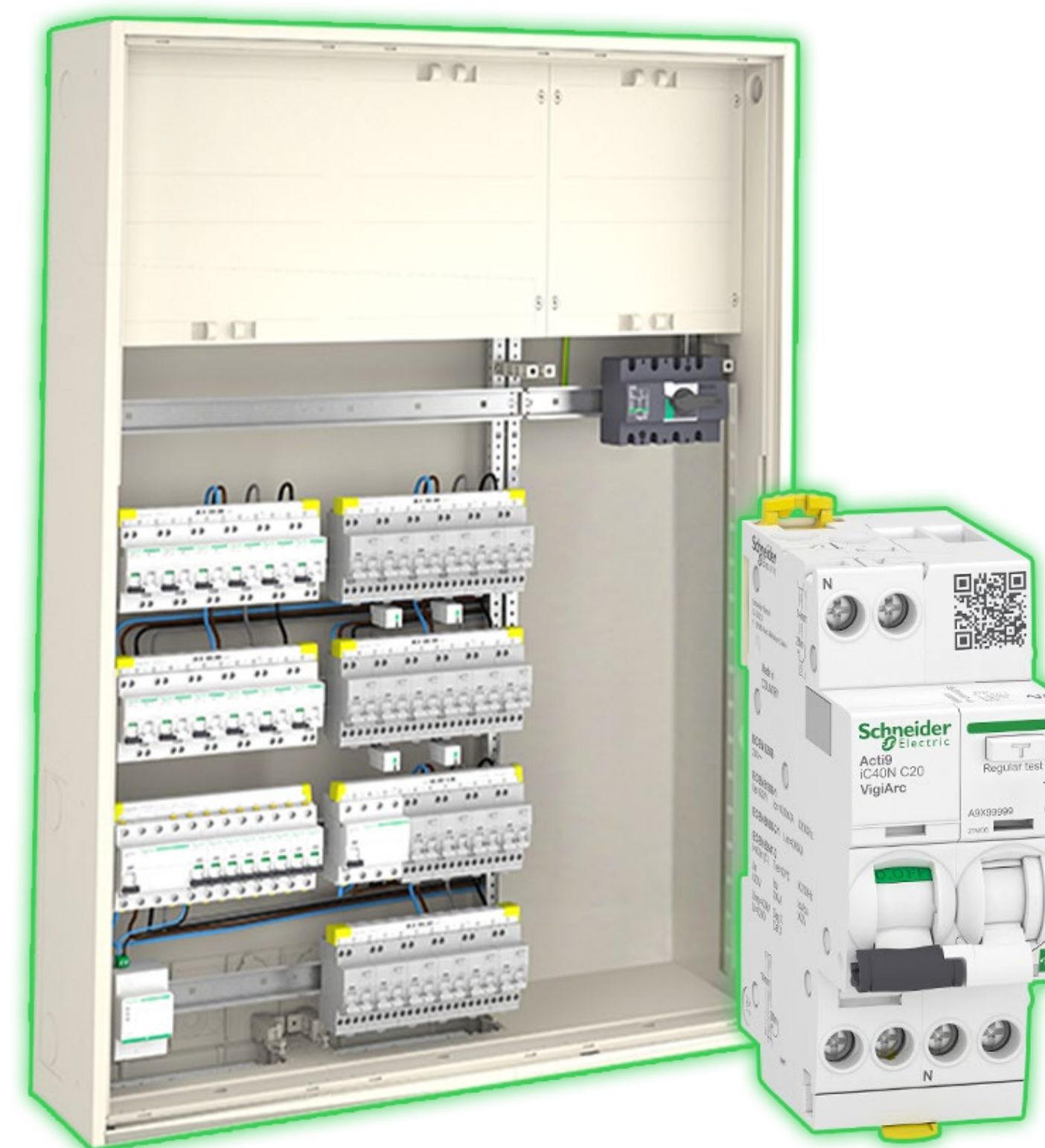
# Meet the new solutions

## Acti9 iPRD1 and Acti9/Resi9 iPRD

A complement to the Acti9™ system, **Acti9 iPRD1 and Acti9/Resi9 iPRD Surge Protection Devices (SPD)** are designed to:

- Reduce operational risk
- Boost efficiency
- Improve business continuity

Acti9 SPD **protects your electrical installation and sensitive equipments against induced or conducted surges caused by direct and indirect lightning strikes**, so you gain peace of mind that your installation is well protected, even in the most demanding environments.



# Suitable for all applications

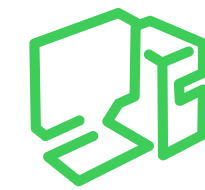
**Acti9 iPRD1** and **Resi9/Acti9 iPRD SPDs** have been designed for many applications including:



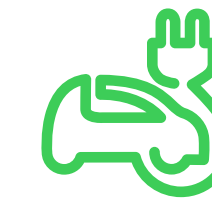
Data Centers



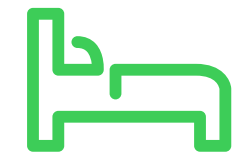
Airports



Offices



EV Stations



Hotels



Universities



Hospitals



Industrial



Agriculture



Homes

# Best-in-class protection with improved continuity of service



## Easy to select and install

- Type 1+2 and Type 2+3 universal products offer a **wide scope of use** in main and sub-distribution boards
- **Compact versions** reduce in half the space used by the device in the panelboard
- **Self-protected versions** with embedded backup fuse avoids specific external disconnectors
- **Reduction of cables** quantity and complexity
- **Easier implementation** of “50 cm max.” length rule for connection cables



## High performance protection

- Voltage protection level ( $U_p$ )  $\leq 1,5\text{kV}$ , offers efficient **protection for sensitive loads** with overvoltage category I (OVC I)
- **High discharge capacity** in case of direct and indirect lightning strikes
- **Withstand high prospective short-circuit** fault currents corresponding to demanding installations



## Continuity of service

- End-of-life remote signaling brings peace of mind and **more efficient maintenance**
- **Coordination** of integrated backup protection with declared upstream circuit breakers and fuses disconnectors is **already certified**.
- Nominal discharge capacity ( $I_n$ ) up to 20kA for Type 2+3, and up to 35 kA for Type 1+2, ensure **better protection longevity**

# Benefit from innovative features in Acti9 iPRD1 SPD

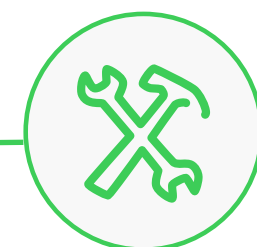
**iPRD1 F25r**  
New SPD with fuse integrated



- Fuse integrated design**
- No need for external disconnecter
  - Time and effort savings with simple installation

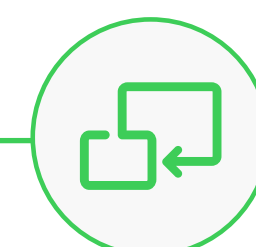


- Less space required**
- Less cables and easy implementation with short connecting cables

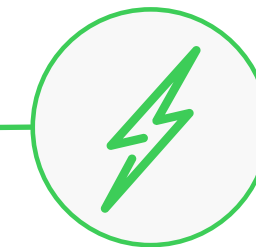


- Simplified installation**
- Integrated back up protection, coordinated and certified by manufacturer

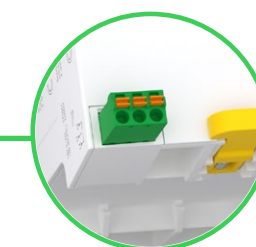
**iPRD F25**  
New SPD more compact



- Compact design**
- 50% less space needed with 18mm pole
  - Reduced cost of installation



- High protection**
- High discharge capacity (Iimp) up to 35 kA
  - High short-circuit current rating (Iscsr) up to 75 kA



- Removable cartridges**
- Easy maintenance and better continuity of service
  - Local and remote monitoring

# Get the latest updates in Acti9/Resi9 iPRD SPD

**iPRD F40r**  
New SPD with fuse integrated



## Fuse integrated design

- No need for external disconnector
- Significantly less time and effort with simple installation



## Less space required

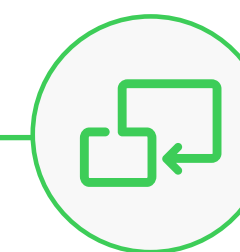
- Less cables and easy implementation with short connecting cables



## Simplified installation

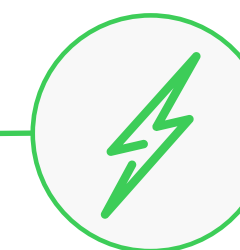
- Integrated back up protection, coordinated and certified by manufacturer

**iPRD C40r**  
New SPD more compact



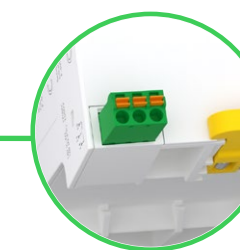
## Compact design

- 50% less space needed with 9mm pole
- Reduced cost of installation



## High protection

- High discharge capacity (I<sub>max</sub>) up to 40 kA
- High short-circuit current rating (I<sub>sc</sub>) up to 25 kA



## Removable cartridges

- Easy maintenance and better continuity of service
- Local and remote monitoring



# Multiple components to benefit you: Acti9 iPRD1 SPD

## Acti9 iPRD1 25r

### (4x) Removable cartridges

Easy maintenance and product more sustainable



### (5x) Double terminals / pole

Up to 100A, second terminal per pole allows direct V-wiring of the equipments main power from the SPD, without the need for an additional junction block.



(solid, stranded) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 35mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 2 AWG
(flexible) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 25mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 4 AWG

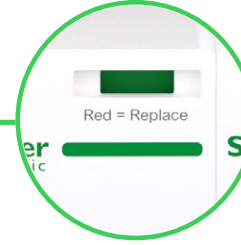
### QR code

Digital link to access all the technical documentation of the product in the se.com website, ensure its traceability in the customer installation and ease its integration into the EcoStruxure platform for more services.



### (4x) Visual indicators

Visual green-red mechanical indicator for each module to locally monitor the operating state of the device.



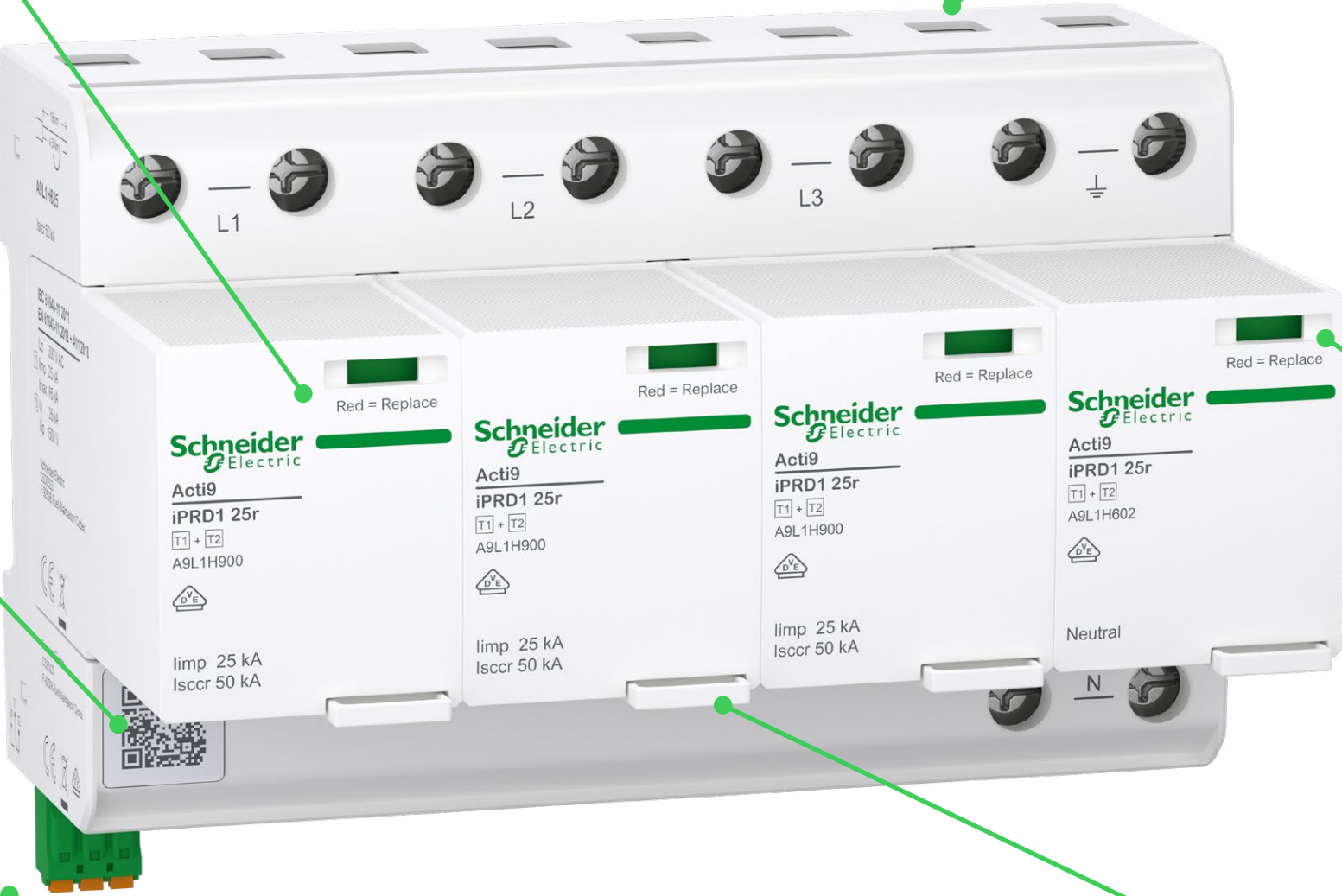
### Remote contact

A remote contact (RC) device includes a three-pole signalling push-in terminal to remotely monitor the operating state of the device.



### (4x) Anti-vibration lock

Vibration and shock withstand capability



# Multiple components to benefit you: Acti9 iPRD1 SPD

## Acti9 iPRD1 F25r

### (4x) Removable cartridges

Easy maintenance and product with better lifetime



### QR code

Digital link to access all the technical documentation of the product in the se.com website, ensure its traceability in the customer installation and ease its integration into the EcoStruxure platform for more services.



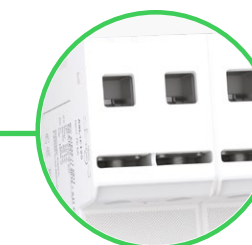
### (3x) Remote contact

A remote contact (RC) device includes a three-pole signalling push-in terminal to remotely monitor the operating state of the device.



### (3x) Double terminals / pole

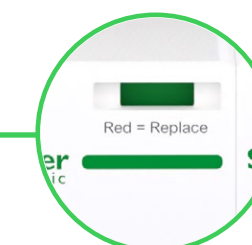
Up to 100A, second terminal per pole allows direct V-wiring of the equipments main power from the SPD, without the need for an additional junction block.



(solid, stranded) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 35mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 2 AWG
(flexible) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 25mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 4 AWG

### (4x) Visual indicators

Visual green-red mechanical indicator for each module to locally monitor the operating state of the device.



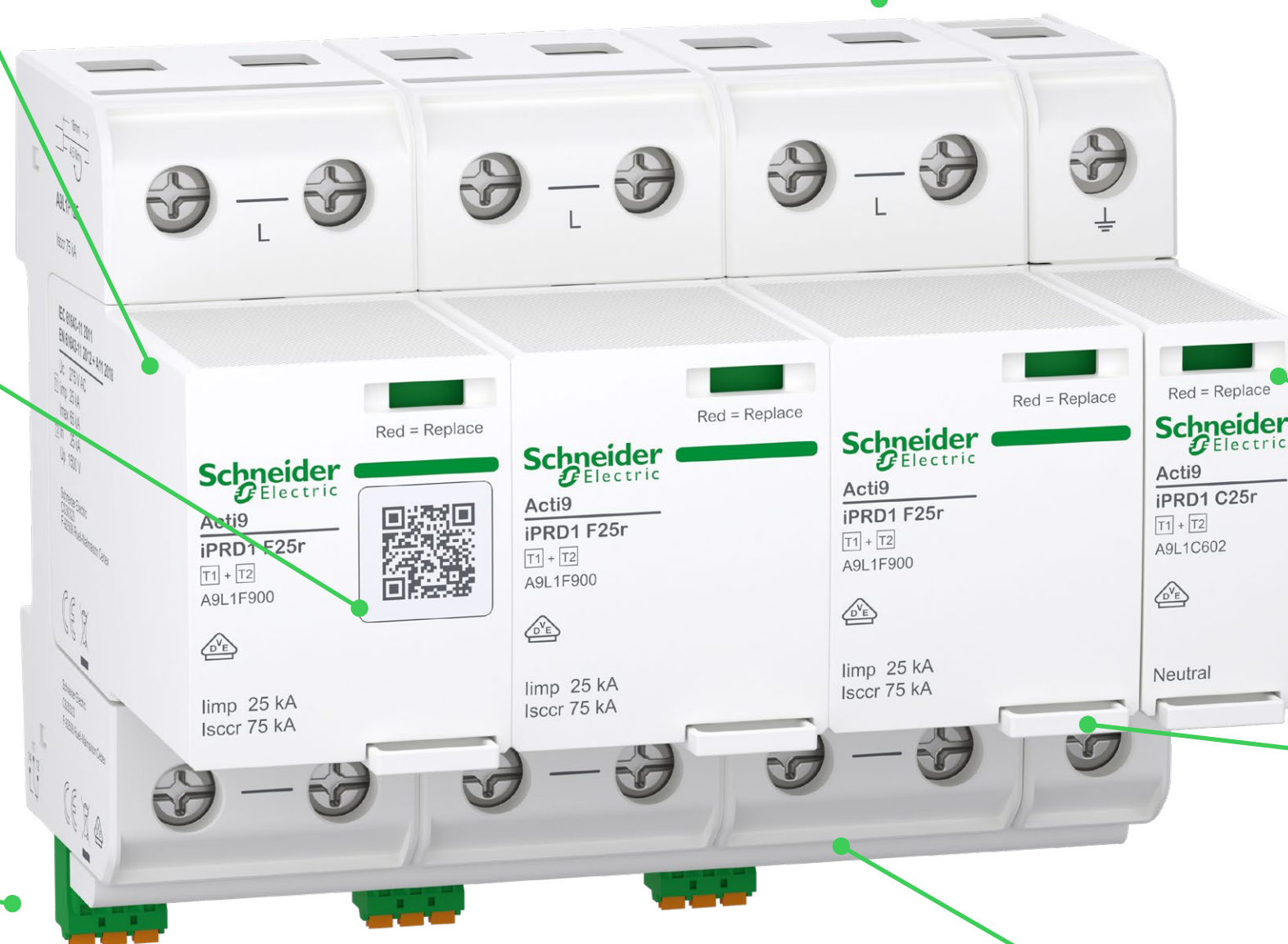
### (4x) Anti-vibration lock

Vibration and shock withstand capability



### Comb busbar

2 lengths of comb busbar available for 3P+N and 3P product versions



# Built in protection and efficiency: Acti9 iPRD1 SPD

## Acti9 iPRD1 C25r

### (2x) Removable cartridges

Easy maintenance and product with better lifetime



### QR code

Digital link to access all the technical documentation of the product in the se.com website, ensure its traceability in the customer installation and ease its integration into the EcoStruxure platform for more services.



### Remote contact

A remote contact (RC) device includes a three-pole signalling push-in terminal to remotely monitor the operating state of the device.



### (6x) Terminals

(solid, stranded) 18mm	ø min 1.5mm <sup>2</sup> / ø max 35mm <sup>2</sup> / ø min 15 AWG / ø max 2 AWG
(flexible) 18mm	ø min 1.5mm <sup>2</sup> / ø max 25mm <sup>2</sup> / ø min 15 AWG / ø max 4 AWG

### (4x) Visual indicators

Visual green-red mechanical indicator for each module to locally monitor the operating state of the device.



### (4x) Anti-vibration lock

Vibration and shock withstand capability



# Protect your business with a single investment

## Acti9 iPRD F40r

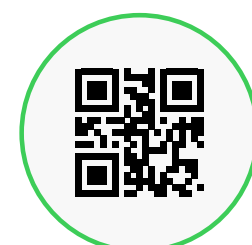
### (4x) Removable cartridges

Easy maintenance and product more sustainable



### QR code

Digital link to access all the technical documentation of the product in the se.com website, ensure its traceability in the customer installation and ease its integration into the EcoStruxure platform for more services.



### Remote contact

A remote contact (RC) device includes a three-pole signalling push-in terminal to remotely monitor the operating state of the device.



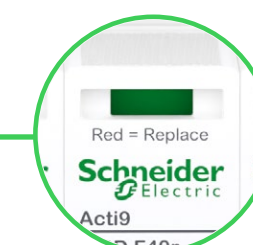
### (6x) Terminals



(solid, stranded) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 35mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 2 AWG
(flexible) 18mm	∅ min 1.5mm <sup>2</sup> / ∅ max 25mm <sup>2</sup> / ∅ min 15 AWG / ∅ max 4 AWG

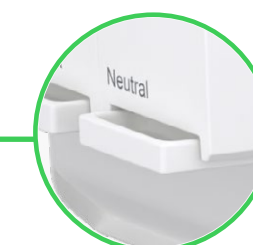
### (4x) Visual indicators

Visual green-red mechanical indicator for each module to locally monitor the operating state of the device.



### (4x) Anti-vibration lock

Vibration and shock withstand capability



# Protect your business with a single investment

## Resi9 iPRD C40r

### (2x) Removable cartridges

Easy maintenance and product more sustainable



### (4x) Line terminals



(solid, stranded) 15mm	ø min. 2.5mm <sup>2</sup> / ø max. 10mm <sup>2</sup> / ø min. 13 AWG / ø max. 7 AWG
(flexible) 15mm	ø min. 2.5mm <sup>2</sup> / ø max. 6mm <sup>2</sup> / ø min. 13 AWG / ø max. 10 AWG

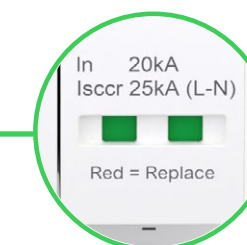
### QR code

Digital link to access all the technical documentation of the product in the se.com website, ensure its traceability in the customer installation and ease its integration into the EcoStruxure platform for more services.



### (2x2) Visual indicators

Visual green-red mechanical indicator for each module to locally monitor the operating state of the device.

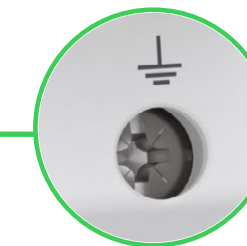


### Remote contact

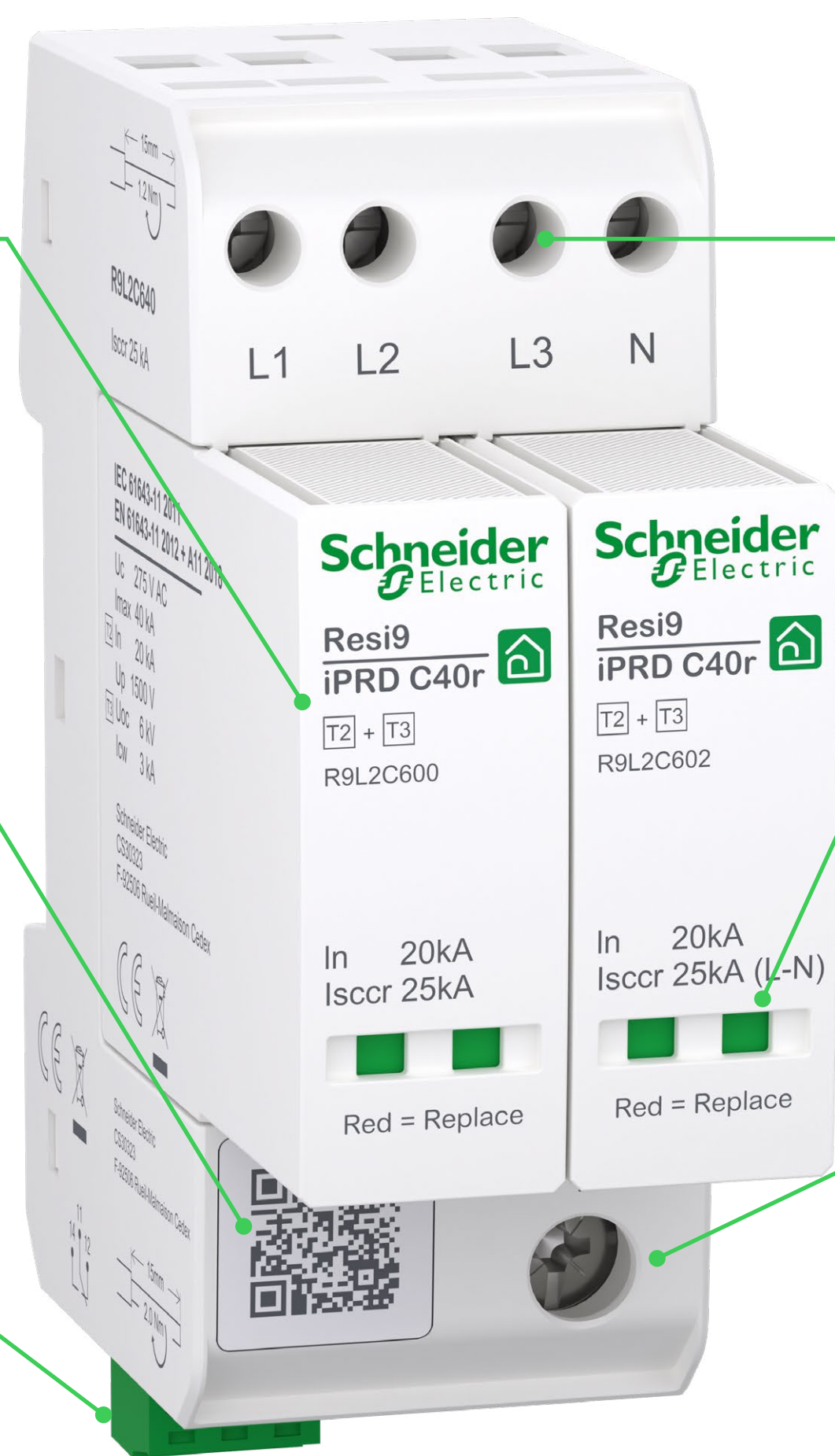
A remote contact (RC) device includes a three-pole signalling push-in terminal to remotely monitor the operating state of the device.






### PE terminal





(solid, stranded) 15mm	ø min. 2.5mm <sup>2</sup> / ø max. 35mm <sup>2</sup> / ø min. 13 AWG / ø max. 2 AWG
(flexible) 15mm	ø min. 2.5mm <sup>2</sup> / ø max. 25mm <sup>2</sup> / ø min. 13 AWG / ø max. 4 AWG

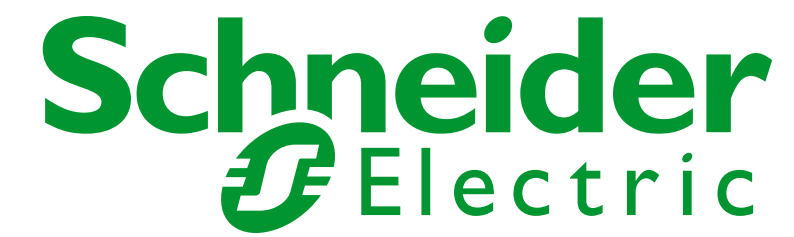


# Discover the entire portfolio of our new SPDs

Type 1 + 2 Product	Product Name	Product Reference
	Acti9 iPRD1 25r SPD 3P Optimum with remote	A9L1H325
	Acti9 iPRD1 25r SPD 3PN Optimum with remote	A9L1H625
	Acti9 iPRD1 25r Cartridge L-N Optimum	A9L1H900
	Acti9 iPRD1 25r Cartridge N-PE Optimum	A9L1H602
	Acti9 iPRD1 F25r SPD 3P with Fuse with remote	A9L1H325
	Acti9 iPRD1 F25r SPD 3PN with Fuse with remote	A9L1H625
	Acti9 iPRD1 F25r Cartridge L-N with Fuse	A9L2F602
	Acti9 iPRD1 C25r SPD 3P Compact with remote	A9L1C325
	Acti9 iPRD1 C25r SPD 3PN Compact with remote	A9L1C625
	Acti9 iPRD1 C25r Cartridge L-N Compact	A9L1C600
	Acti9 iPRD1 C25r Cartridge L-PEN Compact	A9L1C300
	Acti9 iPRD1 C25r Cartridge N-PE Compact	A9L1C602

Type 2 + 3 Product	Product Name	Product Reference
	Acti9 iPRD F40r SPD 3P with Fuse with remote	A9L2F340
	Acti9 iPRD F40r SPD 3PN with Fuse with remote	A9L2F640
	Acti9 iPRD F40r Cartridge L-N with Fuse	A9L2F900
	Acti9 iPRD F40r Cartridge N-PE with Fuse	A9L2F602
	Resi9 iPRD C40r SPD 3PN Compact with remote	R9L2C640
	Resi9 iPRD C40r Cartridge L1-N L2-N Compact	R9L2C600
	Resi9 iPRD C40r Cartridge L3-N N-PE Compact	R9L2C602

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To get more information about  
Schneider Electric SPD Boost, visit:

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