

A city skyline at dusk with a network diagram overlay. The diagram consists of white lines and dots representing a network structure, overlaid on a blurred image of city buildings. The sky is a mix of blue and orange hues.

Plug and Play SPD

UK Catalog 2025

se.com

Life Is On

Schneider
Electric

A9 SPD iPRD F40r 1PN/3PN type KQ SPD iPRD F40r 1PN/3PN type



Country approval pictograms



A9L8F451_loP-Default.png



SEL8F450_loP-Default.png

A9 iPRD F40r (1P+N)

KQ iPRD F40r (1P+N)



A9L8F461_loP-Default.png



SEL8F460_loP-Default.png

A9 iPRD F40r (3P+N)

KQ iPRD F40r (3P+N)



A9L8F492_loP-Default.png



SEL8F492_loP-Default.png

A9 iPRD F40r cartridge

KQ iPRD F40r cartridge

IEC 61643-11:2011

BS EN 61643-11:2012+A11:2018

BS 7671:2018+A2:2022

As per the above standards:

Type 2 and Type 3 Surge Protective Devices of Acti9 iPRD F40r range meet the normative withstand capability of current wave 8/20 μ s alone and of combined current wave 8/20 μ s with voltage wave 1.2/50 μ s.

Type 2 and Type 3 SPDs protect against indirect lightning strikes, and ensure electrical equipments protection by finely clipping the voltage surge [Up] $\leq$ 1500 V. They are all suitable for use in 230/400 V - 50/60 Hz networks, and with TT, TN-S and TN-C earthing connection systems (neutral point connection).

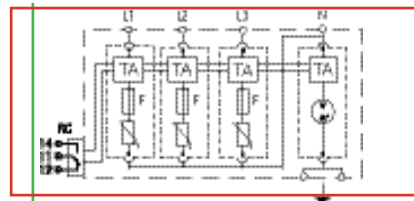
All the devices are fitted with an output dry-contacts for remote monitoring of their end-of-life failure status.

And they all have easy-to-replace withdrawable cartridges.

Acti9 iPRD F40r provide embedded fuse solution for end-of-life self-protection.

Acti9 iPRD F40r Type 2 and Type 3 can be used:

- as a Type 2, for High risk level building, at the incoming end of the installation, thanks to its Maximum discharge current capacity [Imax] = 40 kA
- as a Type 3, to ensure secondary protection of sensitive loads, placed in cascade with the incoming Surge Protective Device, and when the loads to be protected are



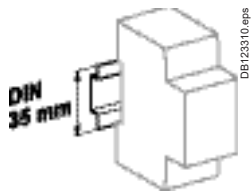
Type	Number of poles		Earthing system
Surge protective device	1P+N	3P+N	
A9 iPRD F40r T2 and T3	A9L8F451	-	TN-C-S
	-	A9L8F461	TT, TN-S
KQ iPRD F40r T2 and T3	SEL8F50	-	TN-C-S
	-	SEL8F60	TT, TN-S

Surge protective device	Spare cartridge	
	Phase-Neutral	Neutral-PE
A9 iPRD F40r	A9L8F492	
KQ iPRD F40r	SEL8F492	

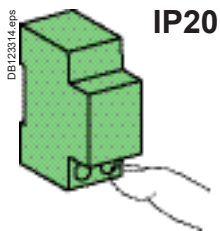
Type	Nb. of poles	Width 9 mm modules	I max (kA) (8/20) Maximum discharge current	In (kA) Nominal discharge current	Up (kV) Voltage protection level	Un (V) Rated voltage network	Uc (V) Maximum continuous operating voltage (L-N)/(N-PE)	Cat. no.
iPRD F40r T2 and T3								
	1P+N	18	40	20	$\leq 1.5 \frac{T2}{T3}$ (*)	240	340/260	A9L8F492
	3P+N	54	40	20	$\leq 1.5 \frac{T2}{T3}$ (*)	240	340/260	SEL8F492

(*) Uoc: combined waveform voltage 6 kV

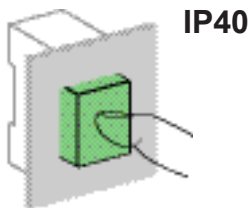
A9 SPD iPRD F40r 1PN/3PN type



Clip on DIN rail 35 mm.



IP20



IP40

Technical data

		A9 iPRD F40r
Operating frequency		50/60 Hz
Degree of protection with cartridges fitted and device wired	Device only	IP20
	Device in modular enclosure	IP40
	Impacts	IK05
Response time	L-N	< 25 ns
	N-PE	< 100 ns
Short circuit withstand (I _{sc})		25 kA
Temporary overvoltage withstand (U _T)	U _T (L-N)	337 V AC/5 s
	U _T (N-PE)	1200 V AC/200 ms
Temporary overvoltage Safe failure mode (U _s)		442 V AC/120 min
Ground residual current (I _{PE})	I _{PE} (N-PE)	≤ 0.5 mA
End-of-life indication		Green: correct operation
		Red: at end of life
Remote monitoring		1 A/250 V AC max 0.5 A/48 V DC max
By tunnel terminal	Live conductor	Rigid cable 25 mm ²
		Flexible cable 16 mm ²
	Earth cable	Rigid cable 10 mm ²
		Flexible cable 16 mm ²
Tightening torque	1P+N	2 N.m
	3P+N	3.5 N.m
Remote control	Rigid cable	0.25..1.5 mm ²
Operating temperature		-25°C to +60°C
Humidity range		5 % to 95 %
Standards		IEC 61643-11: 2011 EN 61643-11:2012+A11:2018
Approvals		CE

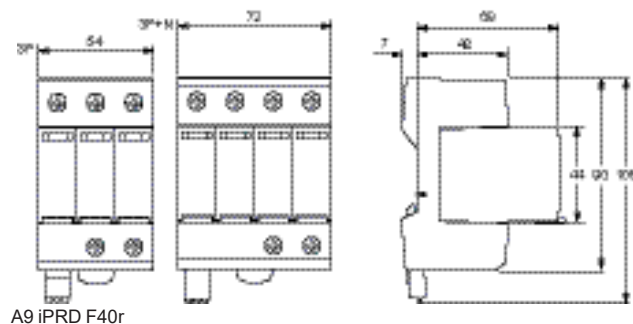
(*): tested in laboratory by manufacturer

Weight (g)

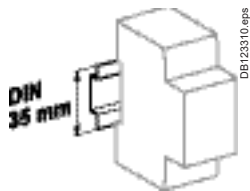
Surge Protective Device

Type	A9 iPRD F40r
1P + N	
3P+N	
Cartridge	Phase
	Neutral

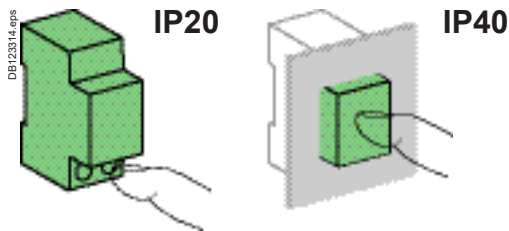
Dimensions (mm)



KQ SPD iPRD F40r 1PN/3PN type



Clip on DIN rail 35 mm.



Technical data

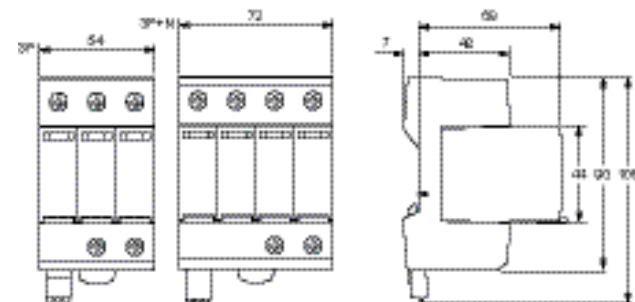
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	Device in modular enclosure	IP40
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1P + N	
3P+N	
Cartridge	Phase
	Neutral

Dimensions (mm)



KQ iPRD F40r

A9 SPD iPRD F40r 1PN/3PN type
KQ SPD iPRD F40r 1PN/3PN type

A9/KQ iPRD F40r Surge Protective Device

PB 110281-60

Withdrawable cartridge

- Removable cartridges with error safe key, for easy maintenance and product sustainability

End-of-life remote monitoring

- Output dry-contacts

Terminals

End-of-life indication

- By mechanical indicator
- green: correct operation
- red: at end of life, cartridge must be replaced

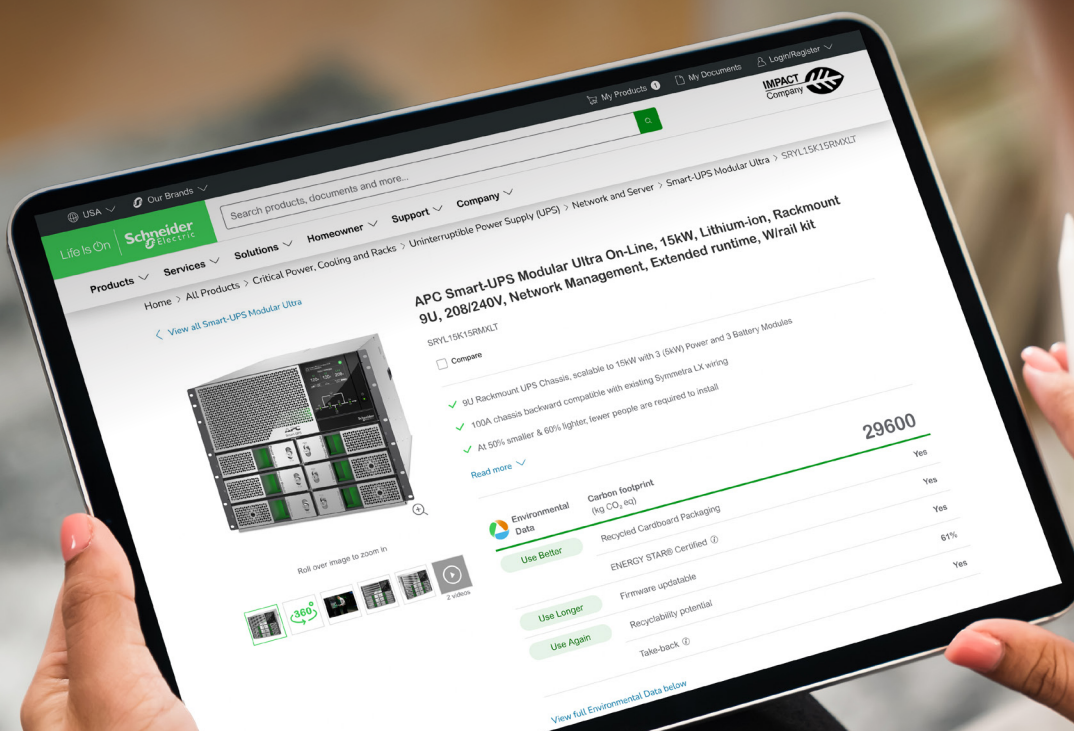
QR Code



Note:



Environmental Data Program

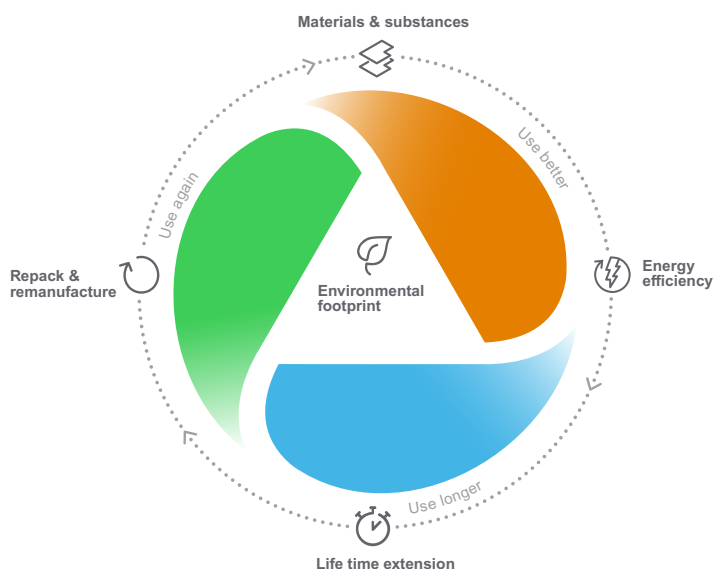


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.

Use Longer: How a product's life time can be effectively extended in terms of reparability and updatability.

Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back. With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

All our hardware offers have an associated environmental data available on se.com product pages.



Learn more about the
Environmental Data Program

Life Is On



Schneider Electric Industries SAS

35, rue Joseph Monier
CS 30323
92506 Rueil Malmaison Cedex
France

RCS Nanterre 954 503 439
Capital social 896 313 776 €
www.se.com

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