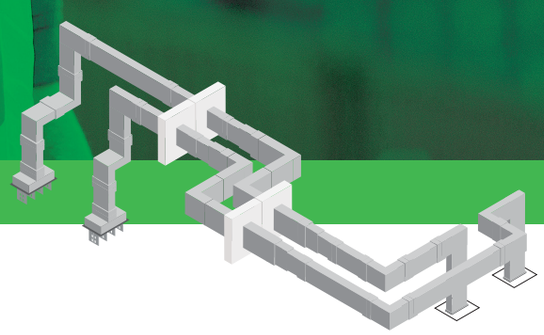
Life Is On | Schneider Electric

Canalis KR, cast resin busbar trunking IP68

Distribute power up to 6,300 A
in all conditions!



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Ensure effective, reliable electrical distribution in all types of environments

Productivity, cost-control, safety, and environmental concerns are just some of the challenges today's businesses are facing. To succeed, businesses need to ensure maximum uptime. Which depends on reliable, available energy.

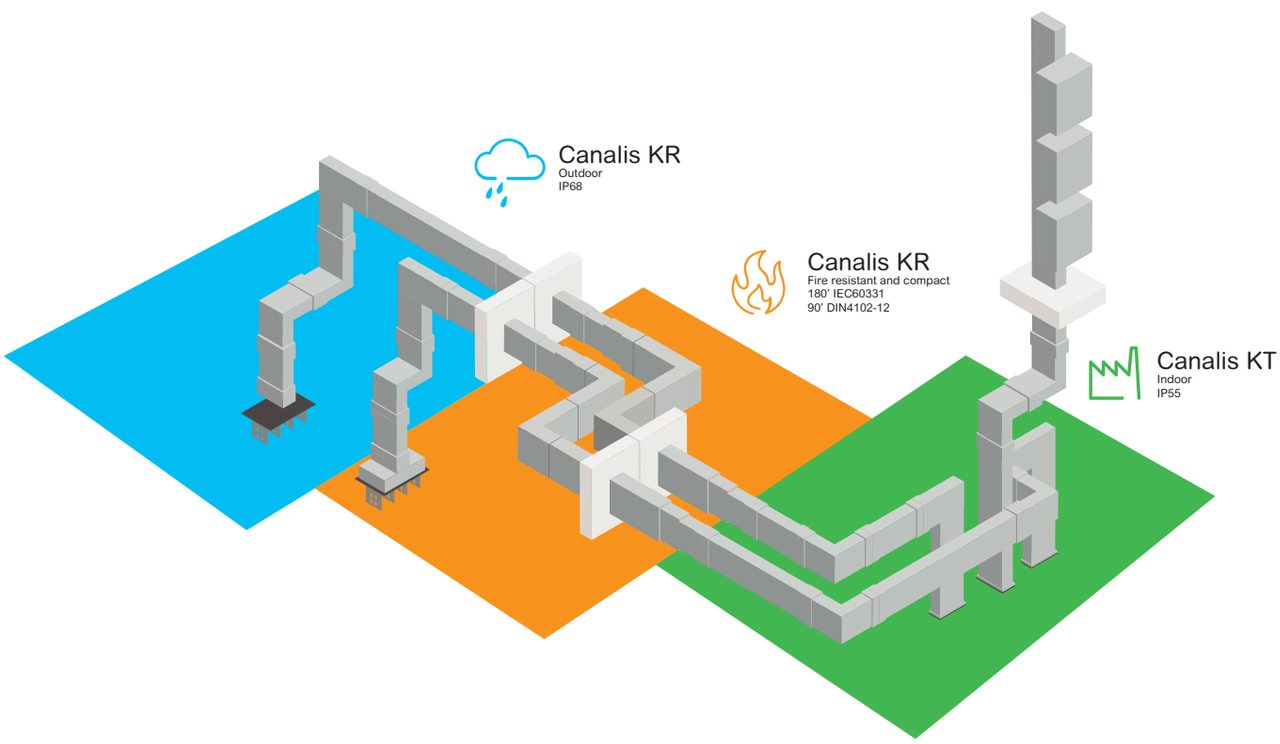
Schneider Electric developed Canalis KR for severe industrial environments, rounding out the Canalis KT busbar trunking system for high-power electrical distribution.

Together, Canalis KR and Canalis KT form the two pillars of a comprehensive electrical distribution system that is both reliable and efficient for power from 800 A to 6,300 A in all environments.

Canalis KR
IP 68 for outdoor use and severe environments

Canalis KT
IP 55 for indoor use

From 800 A to 6,300 A



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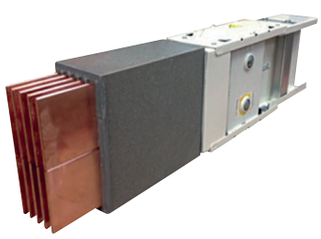
Take advantage of a coherent product lineup

Schneider Electric delivers perfectly-coordinated products to guarantee the performance of your electrical installation.

- Canalis KR and Canalis KT are perfectly coordinated with all Schneider Electric equipments and devices: Trihal transformers, Okken and Prisma low-voltage switchboards, circuit breakers, etc.
- The KR/KT adapter ensures the seamless continuity between Canalis KR and Canalis KT
- Canalis KR, Canalis KT, and the adapter KR/KT are IEC 61439-6 certified



Schneider Electric is a market leader in busbar trunking systems, and is backed by more than 60 years of experience (since 1954).

The total length of the Canalis devices installed is equal to twice the distance around the world.

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Canalis KR: built to meet your energy transport needs in all conditions and for a long time to come

Canalis KR offers the performance required for outdoor use, harsh environments, and explosive atmospheres.

- Rated IP68 with connectors fully encapsulated in epoxy resin
- SS316 stainless-steel connection cover plates
- Atex Zone II compliant (explosion hazards)
- Corrosion resistant
- Withstands extreme temperatures (from –60 °C to 60 °C)

In the event of a fire, Canalis KR can ensure continuity of service of critical equipment.

- Fire resistance in building penetrations: DIN 4102-9 from 30 min to 120 min
- Conservation of the integrity of circuit in event of fire: IEC60331 (180 min) and DIN4102-12 (90 min)
- Self-extinguishing epoxy resin without toxic gases
- Halogen free

Canalis KR was designed using processes to ensure the reliability you need.

- Tested and certified compliant with IEC 61439-6
- Robust and reliable technology with a track record of more than two decades in electrical distribution

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Canalis KR: ideal for all industries, even the most demanding!

Oil & Gas and chemical industry

- Outdoor application
- Atex Zone II
- Corrosion and chemical-resistant
- Waterproof
- Compact

Harbors and shipyards

- Outdoor application
- IP68 protection
- Waterproof and saltwater resistant
- High uptime

Hospitals and office buildings

- High uptime
- Fire resistant and halogen free
- Compact
- Easy to clean

Food & beverage

- High uptime
- Easy to clean
- Compact
- Maintenance free

Data Centers

- High uptime
- Fire resistant and waterproof
- Maintenance free
- Network compactness and readability

Solar Farms

- Outdoor application
- Waterproof
- UV resistant
- Compact

Shopping malls, airports, expo centers

- High uptime
- Fire resistant and halogen free
- Compact
- Outdoor application

Automotive and other manufacturing industries

- High uptime
- Low voltage drop
- Network readability
- Maintenance free

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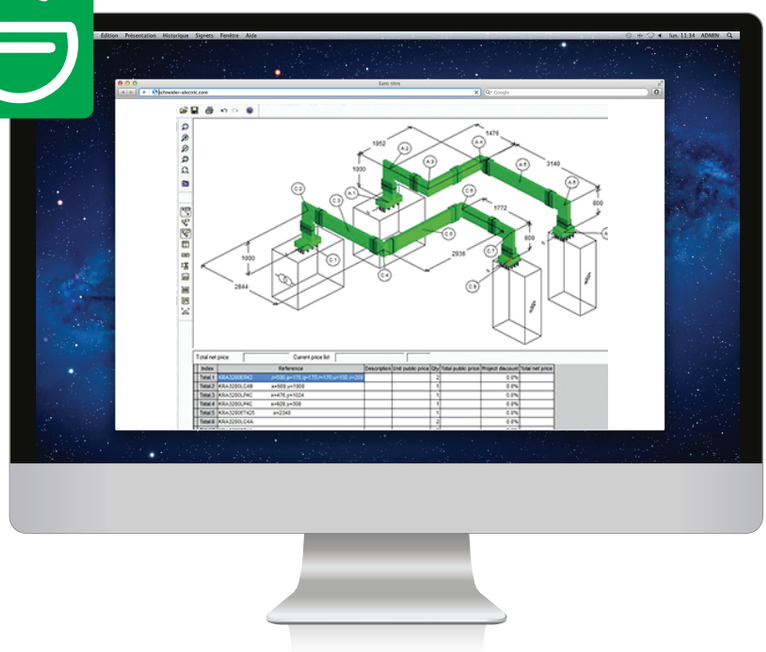
Deliver your projects on time and under budget

Schneider Electric developed CanBRASS and CanCAD software for your Canalis busbar trunking design and quotation needs. They help you keep your projects on time and under budget while making sure you have set up the best layout:

- Choose materials quickly and easily
- Generate the BOM
- Create a comprehensive quote that includes materials and labor
- 3D graphical, costing, and report
- Provide a library of integrated BIM models in the REVIT plug-in
- Transfer to AutoCAD via CanCAD software
- CanBRASS and CanCAD are suitable for all Canalis product lines



> Download our free CanBRASS and CanCAD software

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Find the right Canalis solution for your needs

Choosing the right busbar trunking rating according to nominal current

KRA - Conductors in aluminium		KRC - Conductors in cooper	
Nominal current In (A)	Busbar trunking	Nominal current In (A)	Busbar trunking
800	KRA0800	1000	KRC1000
1000	KRA1000	1350	KRC1350
1250	KRA1250	1600	KRC1600
1600	KRA1600	2000	KRC2000
2000	KRA2000	2500	KRC2500
2500	KRA2500	3200	KRC3200
3200	KRA3200	4000	KRC4000
4000	KRA4000	5000	KRC5000
5000	KRA5000	6300	KRC6300

KR offer: main characteristics

- Standards: IEC 61439-1 & IEC 61439-6
- Rated current: KRA aluminium from 800 A to 5000 A – KRC copper from 1000 A to 6300 A
- Accessories: KRB accessories, KR/KT interface
- Poles: 3L – 3L+PEN – 3L+N+PE
- Rated operational voltage 50/60 Hz (Ue): 1000 V
- Rated insulation voltage (Ui): 1000 V
- Overload capacity: + 20% during 2 hours
- Rated short-time withstand current Icw 1s: up to 100 kA / 1s
- Rated impulse withstand current Ipk: up to 220 kA
- Protection type: IP68, IK10
- Chemical withstand: corrosive or saline atmospheres
- Fire resistance: E30, functional endurance >30min, test under DIN 4102-12
- Explosion: ATEX zone II
- Circuit integrity in case of fire: functional endurance 180min, test under IEC 60331-12 (Canalis KRC) & IEC 60331-1 (Canalis KRA)
- Atex: at 760 °C - zone II 3G Ex mc IIC T5 Gc and II 3D Ex mc IIIC T96°C Dc – test under IEC 60079
- Pollution degree: 3
- Insulation material: mineral filled epoxy cast resin (BIC), halogen free, silicon free

Green Premium™ Product

- RoHS restriction
- REACh declaration
- Product Environmental Profile (PEP)
- End of Life Instructions (EoLI)

> Check-a-product online utility

An easy-to-use online tool for finding complete information on Green Premium products

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