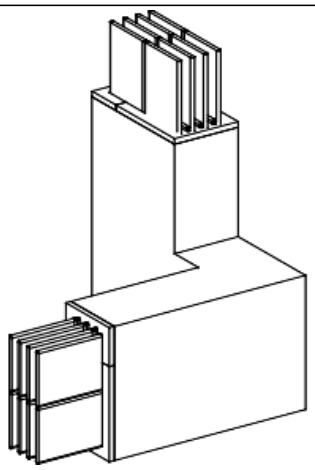
Product data sheet
Characteristics

KRA5000CP42
Canalis -Al edgewise and flat zed unit - 5000A - 3L+N, 3L+PE, 3L+PEN



Main

Range	Canalis
Product name	KR
Product or component type	Multiple elbow
Device short name	KRA
Product specific application	Oil and gas Water and waste water Mining minerals and metals Healthcare Enterprise data centres Real estate and office buildings
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	5000 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Earth conductor	Standard earth
Short-circuit level	Standard version

Complementary

Housing material	Mineral epoxy resin
Contacts material	Tinned aluminium
[Ue] rated operational voltage	1000 V
Network frequency	50/60 Hz
[Ui] rated insulation voltage	1000 V
[Icw] rated short-time withstand current	100 kA
[Ipk] rated peak withstand current	220 kA
Radiated magnetic field	58.44 mT
Thermal stress limit	10000 A².s
Voltage drop	With cos φ =0.9, 0.0038 V at 50 Hz with 1A for 100 m long With cos φ =0.7, 0.0044 V at 50 Hz with 1A for 100 m long With cos φ =1, 0.0023 V at 50 Hz with 1A for 100 m long With cos φ =0.8, 0.0042 V at 50 Hz with 1A for 100 m long
Linear resistance	L : Z1 35 °C= 0.026 mΩ/m at Inc and 50 Hz L : X1 35 °C= 0.023 mΩ/m at Inc and 50 Hz L - PE : R0 20 °C= 0.034 mΩ/m symmetrical components method L - N : Z0 20 °C= 0.073 mΩ/m symmetrical components method

	L - PE : Z0 20 °C= 0.17 mΩ/m symmetrical components method L - N : X0 20 °C= 0.068 mΩ/m symmetrical components method L : R1 35 °C= 0.013 mΩ/m at Inc and 50 Hz L - PE : X0 20 °C= 0.167 mO/m symmetrical components method L - N : R0 20 °C= 0.025 mΩ/m symmetrical components method L : R20 20 °C= 0.01 mΩ/m
Mounting location	Indoor Outdoor
Product certifications	ATEX CE EAC
Standards	IEC 61439-6
Width	100 mm
Height	540 mm
Colour	Grey : RAL 7030
Length	Direction 2 : 500...1000 mm Direction 1 : 300...700 mm Direction 3 : 320...1000 mm
Linear load	135 kg/m

Environment

IP degree of protection	IP68 conforming to IEC 60529
IK degree of protection	IK10 conforming to IEC 62262
Pollution degree	3
Fire resistance	760 °C 180 min conforming to IEC 60331-1
Derating factor	100 % of In at 0...35 °C 84 % of In at 45...50 °C 96 % of In at 35...40 °C 89 % of In at 40...45 °C 78 % of In at 50...55 °C
Operating altitude	98 % of In at 1000 m outdoor 89 % of In at 3000 m outdoor 99 % of In at 2000 m indoor 90 % of In at 4000 m indoor 94 % of In at 2000 m outdoor 83 % of In at 4000 m outdoor 100 % of In at 1000 m indoor 96 % of In at 3000 m indoor
Environmental characteristic	EMC directive conforming to IEC 61439-6 Halogen free

Offer Sustainability

RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information