



Main

Range	Canalis
Product name	KT
Product or component type	Busbar trunking
Busbar description	Distribution length
Device short name	KTA
Tap-off unit compatibility	Plug-in tap-off unit from Canalis KS Plug-in tap-off unit from Canalis KT
Device application	High power distribution
Material	Aluminium
[Ie] rated operational current	2500 A at 35 °C
Polarity	3L + N + PE
Number of tap-off outlets	3
Nominal output current	25...630 A
Earth conductor	Reinforced
Short-circuit level	Reinforced version
Length	2000 mm
Provided equipment	Jointing unit Trunking unit

Complementary

Housing material	Polyester film
Contacts material	Copper
[Ue] rated operational voltage	1000 V
Network frequency	50/60 Hz
[Ui] rated insulation voltage	1000 V
[Icw] rated short-time withstand current	113 kA
[Ipk] rated peak withstand current	248 kA
Electrical connection	Sliding contact
Radiated magnetic field	1.6 µT
Thermal stress limit	12769 A².s
THDI	0...15 %, maximum load current: 2500 A 15...33 %, maximum load current: 3200 A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

33...100 %, maximum load current: 4000 A

Voltage drop	With $\cos \varphi = 1$, 0.0024 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.9$, 0.0025 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.8$, 0.0024 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.7$, 0.0022 V at 50 Hz with 1A for 100 m long
Mounting mode	By hook
Mounting support	Cantilever arm Pendant
Installation direction	Horizontal Vertical
Neutral position	Right
Tap-off unit interval	500 mm
Standards	IEC 61439-6 IEC 61439-1
Dimension type	Fix
Width	140 mm
Height	244 mm
Colour	RAL 7035 : grey
Product weight	72 kg
Linear load	36 kg/m

Environment

IP degree of protection	IP55 conforming to IEC 60529
IK degree of protection	IK08 conforming to IEC 62262
Derating factor	100 % of I_n at 0...35 °C 97 % of I_n at 35...40 °C 93 % of I_n at 40...45 °C 90 % of I_n at 45...50 °C 86 % of I_n at 50...55 °C