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We offer a number of advantages thanks to prefabricated design and qualities of Canalis.

1 Maximise safety

Interlocking systems prevent mounting errors and reduce inspection times. Work is carried out safely without exposure to live connections.

Live parts in Canalis tap-off units are not accessible. Tap-off units can be added and removed with the trunking energised. Interlocking devices eliminate connection errors.

The PE conductor is connected before the phase and neutral conductors to enhance protection.

2 Control deadlines

Prefabricated design ensures smooth work flow. Installation times can be precisely planned in advance and, if plans must be changed, a fast and effective solution is always available with the adaptable and upgradeable Canalis system.

The result is improved productivity.

3 Make modifications easy

With Canalis, electrical equipment can be moved or a machine added easily and quickly. That is the type of service that customers appreciate.

With cables, the same modification could take over a day. That can become a real problem if another job has already been scheduled. What is more, customers today expect this type of service at no extra cost.

4 Create a new image for electrical contracting

The worksite remains clean, with no cable ends or waste scattered about.

Stand out from the crowd and gain customer recognition by installing modern upgradeable systems.

5 Provide greater continuity of service

In the industrial sector, customers want continuity of service.

Canalis avoids costly production shutdowns.

Tap-off units can be connected or disconnected with the trunking live.

This makes it possible to add or remove loads without cutting power to the rest of the installation.

6 Offer quick modifications...

...at no cost to you!

Accept last-minute changes with a smile.

Your customers will be even more satisfied and that means more business for you.

The need to change the electrical distribution network will no longer be an obstacle to development projects.

7 Offer total freedom for upgrades

Your customers will have access to electrical power throughout their installations. Easy upgrading of the electrical installation become a routine part of future investment projects.

8 Offer flexibility in machine layout...

...without taking any risks on your quote.

In the early stages of a project, firm information on machine layout is not always available. The customer nevertheless needs a good idea on the costs and deadlines that you can meet.

With Canalis, you have the solution in hand because:

- The product can handle any and all modifications
- worksite uncertainties are reduced to a minimum and deadlines remain under control
- The customer is reassured, they now have the time to analyse and finalise the layout. Canalis offers a degree of flexibility unmatched by any conventional solution.

9 Offer a reusable system

Canalis is 100% reusable, producing major savings when changing layouts or increasing power ratings.

10 Simplify maintenance

Due to successive modifications, many customers lose a clear understanding of their electrical installation over the course of time.

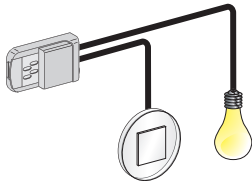
With Canalis, the entire distribution network remains clear, consistent and easy to understand, whatever the changes.

11 Offer an attractive solution

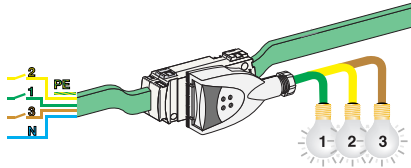
Provide your customer with a discreet product that blends in with the on-site architecture. This represents a clear advantage over cable trays running under ceilings and along walls.

This added touch will show your customer that your know-how goes beyond technical aspects.

Canalis KDP trunking 20A For lighting and power socket distribution



A special tap-off unit for lighting control



Three levels of illuminance



For lighting and power-socket distribution

- Flexible 20 A trunking
- Used when the luminaires are attached to the building structure (false ceilings, beams, etc.)
- Available in 192-metre reels, single phase or three-phase
- Fixing systems for all types of building structures
- 10 and 16 A tap-off units, with fixed polarity or phase selection.

Run components

- Rating: 20A
- 2 or 4 wire live conductors

Polarity	Distance between tap-offs (mm)	Reel	Part number
Single phase L+N+PE	1200	192m	KDP 20ED2192120
	1350	183m	KDP 20ED2183135
	1500	192m	KDP 20ED2192150
	3000	192m	KDP 20ED2192300
3 phase 3L+N+PE	1200	192m	KDP 20ED4192120
	1350	183m	KDP 20ED4183135
	1500	192m	KDP 20ED4192150
	3000	192m	KDP 20ED4192300

Feed units

- The feed units and end covers receive the cables supplying one end of Canalis KDP trunking

Mounting	Cable connection		Part number
	Terminals (mm ²)	Cable gland Ø max (mm)	
Left or right	4	PG 16, Ø 15	KDP 20ABG4

Fixing system

- The fixing system is used to attach Canalis KDP to the sides of cable trays, metal structures or concrete slabs

Fixing on	Thickness (mm)	Order in multiples of 100	Part number
Pre-slotted sheet metal cable trays	-	100	KDP ZF10
Mesh trays	Ø 4 - Ø 6	100	KDP ZF14
Metal structure	1-8	100	KDP ZF10
	8-13	100	KDP ZF11
	13-17	50	KDP ZF12
	17-22	50	KDP ZF13
Wood or concrete	Fixing with cable tie	100	KDP ZF20
	Concrete fixing plug for Ø 8mm hole	100	KDP ZF21



Tap-off units

Type of busbar trunking	Polarity	Colour of lock	Order in multiples of	Part number
Tap-off unit, direct connection	L1+N	Green	10	KBC 10DCS101
	L2+N	Yellow	10	KBC 10DCS201
10A with fixed polarity	L3+N	Brown	10	KBC 10DCS301

10A tap-off unit with phase selection

Without prewiring	All polarities	10	KBC 10DCB20
Pre-wired	All polarities	10	KBC 10DCC211

S05Z1Z1-F 3 x 1.5mm²

10A single phase tap-off units for lighting control, with phase selection

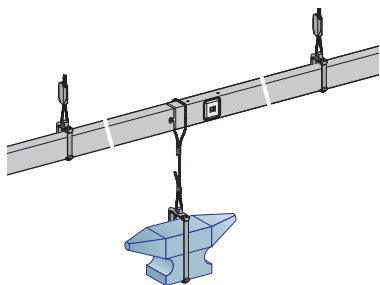
10A with fixed polarity

Single circuit	All polarities	10	KBC 10DSA20
Double circuit switching	All polarities	10	KBC 10DDA20
Two way switching	All polarities	10	KBC 10DVV20
Timer or impulse switch	All polarities	10	KBC 10DMT20

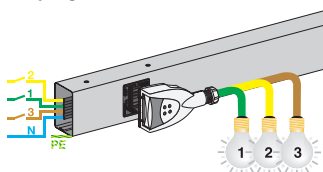


Connection leads

Usage	Length (m)	Order in multiples of	Part number
Connect the luminaires	1	10	KBZ 31EMC010
Connect to tap-off units	1	10	KBZ 31EFC010
	3	10	KBZ 31EFC030
	5	10	KBZ 31EFC050
Connect between luminaires	2	10	KBZ 31EFM020
	3	10	KBZ 31EFM030
	5	10	KBZ 31EFM050
Usage	Function	Order in multiples of	Part number
Splitter block	T shape 1 male input 2 female outputs	20	KBZ 32DBA12
	T shape 1 male input 2 female outputs	10	KBZ 32DBA15
Connector to be wired	Female	50	KBZ 32APFR2
	Male	10	KBZ 32APMR2
Lock	Resists pulling forces	10	KBZ 32ZVP01



Very rigid carrier rail



3 illuminance levels in three-phase systems



For supply and fixing of luminaires

- Rigid 25 A trunking
- Available in 3-metre lengths, single phase or three-phase
- 10 and 16 A tap-off units, with fixed polarity or phase selection

Run components

- Rating: 20A
- 2 or 4 wire live conductors

Type of component	Length (m)	Number of tap-offs	Order in multiples of	Part number
Standard straight length L+N+PE	3	2	6	KBA 25ED2302
Standard straight length L+N+PE	3	2	6	KBA 25ED4302
	2	2	6	KBA 25ED4202

Feed units (supplied with end cover)

Designation	Rating (A)	Mounting	Cable connection		Part number
			Terminals (mm ²)	Cable gland Ø max (mm)	
End feed unit	25	Left	4	PG 16, Ø 15	KBA 25ABG4

Fixing system

- The fixing system ensures that Canalis KBA is well secured

Designation	Mounting	Max. load (Kg)	Order in multiples of	Part number
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Busbar trunking fixings

Universal fixing bracket ⁽¹⁾	Suspended on threaded rod or lateral (except wall)	60	10	KBA 40ZFU
Spring fixing bracket ⁽¹⁾	Adjustable suspension for threaded rod, M6	50	10	KBA 40ZFPU
Cable suspension system	Universal fixing bracket and steel cable, 3m long	60	10	KBA 40ZFSU
Pigtail hook	Suspended by small chain	60	10	KBB 40ZFC

Luminaire fixings

Universal fixing bracket ⁽¹⁾	For direct suspension under trunking	60	10	KBA 40ZFU
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(1) Optional white-lacquered metal enclosure: add W to Part number Example: KBA 40ZFUW.



Tap-off units

Type of busbar trunking	Polarity	Colour of lock	Order in multiples of	Part number
10A tap-off unit, direct connection with phase selection, 2L+PE				
All types possible	All polarities		10	KBC 10DCB20

10A tap-off unit, direct connection with phase selection, 2L+PE, pre-wired S05Z1Z1-F 3 x 1.5mm²

All types possible	All polarities		10	KBC 10DCC211
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Tap-off unit, direct connection pre-wired S05Z1Z1-F 3 x 1.5mm², 0.8m long

10A with fixed polarity, 2L+PE				
Single circuit switching and balancing on 3 phases or 3 circuit switching	L1 + N	Green	10	KBC 10DCS101
	L2 + N	Yellow	10	KBC 10DCS201
	L3 + N	Brown	10	KBC 10DCS301



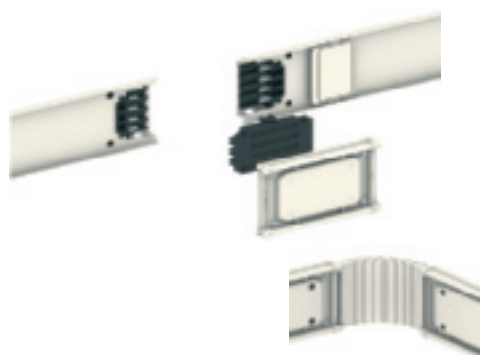
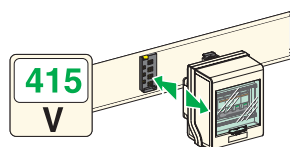
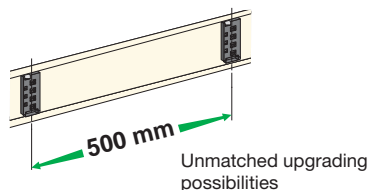
KBL luminaires

- The IP20 luminaires are designed for lighting in premises of low to medium height (industrial) or high premises (intensive)
- The IP55 luminaires are designed for premises of low to medium height with severe environments

Type ⁽¹⁾ of tube	Type of ballast	Power (W)	Part number ⁽²⁾
IP20 industrial luminaires (delivered with 10A tap-off unit with phase selection, pre-wired with S05Z1Z1-F 3 x 1.5mm ²)			
T8	Compensated ferro-magnetic	2 x 58	KBL 258C
	Electronic	2 x 58	KBL 258HF
T5	Electronic	2 x 35	KBL 235T5
IP20 intensive luminaires (delivered with 10A tap-off unit with phase selection, pre-wired with S05Z1Z1-F 3 x 1.5mm ²)			
T5	Electronic	2 x 80	KBL 280T5
IP55 polycarbonate dust and damp proof luminaires (delivered with 10A tap-off unit with phase selection, pre-wired with S05Z1Z1-F 3 x 1.5mm ²)			
T8	Compensated ferro-magnetic	2 x 58	KBL 258CE
	Electronic	2 x 58	KBL 258HFE
T5	Electronic	2 x 35	KBL 235T5E

(1) Tubuler are not supplied

(2) Sale by inseparable quantity of 30, beyond 30, sale by unit is possible



For low power distribution

- For loads rated 16 to 63A
- For supply of Canalis KBA or KDP lighting systems
- Available in 3-metre lengths
- Tap-off units with circuit breaker or fuse protection
- Tap-off units with power sockets

Run components

- 4 live conductors

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Part number
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Standard lengths

3L + N + PE or 3L + PEN	40	3000	3	KNA 40ED4303
	63	3000	3	KNA 63ED4303
3L + PEN	100	3000	3	KNA 100ED4303
	160	3000	3	KNA 160ED4303

Additional lengths

3L + N + PE or 3L + PEN	63	2000	4	KNA 63ED4204
	100	2000	4	KNA 100ED4204
	160	2000	4	KNA 160ED4204

Designation	Rating (A)	Direction (edgewise)	Part number
Flexible elbow, for internal or external angle 80° to 180°*	40 to 63	Left or right	KNA 63DL4
	100	Left or right	KNA 100DL4
	160	Left or right	KNA 160DL4

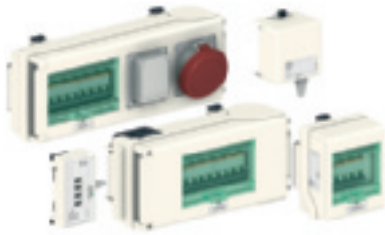
* Minimum curve radius: 70 mm

Feed units (supplied with end cover)

Designation	Rating (A)	Mounting	Connection	Max size (mm ²)		Part number
				Flexible	Rigid	
End feed unit	40 and 63	Left or right	Terminals	16	25	KNA 63AB4
Feed unit	100	Left or right	Lugs (M8 screws)	35	50	KNA 100AB4
	160	Left or right	Lugs (M8 screws)	95	95	KNA 160AB4

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Tap-off units and tap-off unit with isolator

■ They are used to supply loads from 16 to 63 A

Designation Rating	Distribution	Protection	Part number
16A Single phase tap-off unit	Single phase L+N+PE with phase selection	C60N circuit breaker (supplied)	KNB 16CM2
32A Four pole tap-off unit	3 phase 3L+N+PE ⁽¹⁾ or 3L+Np+PE	Circuit breaker (5 x 18mm modules)	KNB 32CM55
32A Tap-off unit with power sockets ⁽²⁾	3 phase 3L+N+PE	Circuit breaker (8 x 18mm modules)	KNB 32CP15F
63A Tap-off unit with isolator	3 phase 3L+N+PE ⁽¹⁾	Circuit breaker (8 x 18mm modules)	KNB 63SM48
16A Single phase tap-off unit	Single phase L+N+PE with phase selection	NF fuses 8.5 x 31.5 (not supplied)	KNB 16CF2
25A Four pole tap-off unit	3 phase 3L+N+PE ⁽¹⁾	NF fuses 10 x 38 (not supplied)	KNB 25CF5
50A Tap-off unit with isolator	3 phase 3L+N+PE ⁽¹⁾	NF fuses 14 x 51 (not supplied)	KNB 50SF4

(1) Also suitable for tap-off unit 3L + PE (N not distributed)

(2) Power socket polarity according to the case



Fixing system

■ Used to secure Canalis KN whatever the type of building structure

Designation	Rating (A)	Mounting	Order in multiples of	Part number
Spring fixing bracket ⁽¹⁾	40 to 160	Suspended on threaded rod	10	KNB 160ZFPU
Fixing bracket ⁽²⁾	40 to 160	Suspended on threaded rod	10	KNB 160ZF1

(1) Maximum load: 100 kg

(2) Maximum load: 80 kg

Maximum recommended distance between fixings : 3 meters

Busbar trunking

Canalis KS trunking 100 to 400A For medium power distribution



Light and easy to handle

For medium power distribution

- For loads rated 25 to 160 A
- Available in 3-metre lengths
- Tap-off units with circuit breaker or fuse protection
- Tap-off units with power sockets



Excellent contact



7

Run components

- 4 live conductors

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Part number
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Standard lengths

3L + N + PE	100	3000	6	KSA 100ED4306
or	160	3000	6	KSA 160ED4306
3L + PEN	250	3000	6	KSA 250ED4306
	400	3000	6	KSA 400ED4306

Additional lengths

3L + N + PE	250	2000	8	KSA 250ED4208
or				
3L + PEN				

Designation	Rating	Direction (edgewise)	Part number
Edgewise elbow	100 to 250	Left or right	KSA 250DLC40



Feed units (supplied with end cover)

Designation	Rating (A)	Mounting	Connection	Max size (mm ²)		Part number
				Flexible	Rigid	
End feed unit	100	Left or right	Terminals	5 x 16		KSA 100AB4
Feed unit	100 to 250	Left or right	Lugs (M10 screws)	240		KSA 250AB4
	400	Left or right	Lugs (M10 screws)	2 x 240		KSA 400AB4



Tap-off units and tap-off unit with isolator

■ They are used to supply loads from 16 to 63 A

Designation Rating	Distribution	Protection	Part number
32A Tap-off units	3 phase 3L+N+PE ⁽²⁾	Circuit breaker (5 x 18mm modules)	KSB 32CM55
32A Tap-off unit with power sockets ⁽²⁾	3 phase 3L+N+PE	Circuit breaker (8 x 18mm modules)	KSB 32CP15F
63A Tap-off unit with isolator	3 phase 3L+N+PE ⁽²⁾	Circuit breaker (8 x 18mm modules)	KSB 63SM48
100A Tap-off unit with isolator	3 phase 3L+N+PE ⁽²⁾	Circuit breaker (12 x 18mm modules)	KSB 100SM412
160A Tap-off unit with isolator	3 phase 3L+N+PE ⁽²⁾	Compact NS circuit breaker (without vigi module)	KSB 160DC4
32A Tap-off units	3 phase 3L+N+PE ⁽²⁾	NF fuses 10 x 38 (not supplied)	KSB 32CF5
50A Tap-off units with isolator	3 phase 3L+N+PE ⁽²⁾	NF fuses 14 x 51 (not supplied)	KSB 50SF4
100A Tap-off units with isolator	3 phase 3L+N+PE ⁽²⁾	NF fuses 22 x 58 (not supplied)	KSB 100SF4
160A Tap-off units with isolator	3 phase 3L+N+PE ⁽²⁾	Blade type fuses (not supplied)	KSB 160SF4

(1) Also suitable for tap-off unit 3L + PE (N not distributed)

(2) Power socket polarity according to the case



Fixing system

■ Used to secure Canalis KN whatever the type of building structure

Designation	Rating (A)	Mounting	Order in multiples of	Part number
Fixing bracket ⁽¹⁾	100 to 4000	Wall or suspended on threaded rod	10	KSB 400ZF1

(1) Maximum load: 100 kg

Maximum recommended distance between fixings : 3 meters