Rittal – The System.

Faster – better – everywhere.

FRIEDHELM **LOH** GROUP

Console System CX and One-Piece Console CX

Clear benefits: Versatile, compatible, efficient

RITTAL

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Joining forces
to add value

Powerful partners Eplan and Rittal have a shared philosophy: To make complex things simple. Our solutions speed up your processes and boost your productivity. We optimise and industrialise every stage in your value chain and across the entire process – from design, planning and engineering, procurement and manufacturing through to operation and IT. With our help, you can triumph in the industrial transformation to the new Industry 4.0 standard.
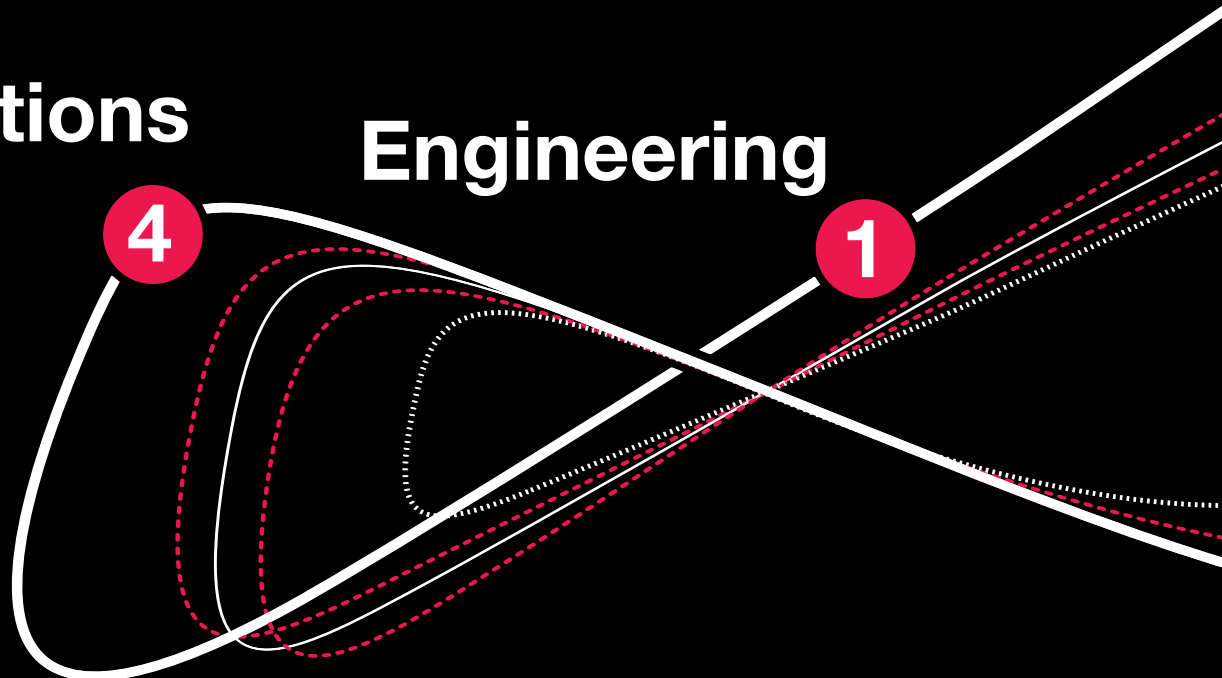
Our goal:
Yesterday, we devised the solutions our customers will need tomorrow, and we are already stocking them today.

Rittal and Eplan. Your partners for the future.
We think in terms of your processes.

Operations

Engineering

4

1

Supply

2

3

Manufacturing

Maintain an overview at all times – with the new CX control consoles

The CX console system and one-piece console are the latest Rittal product innovations at the human/machine interface. They provide an excellent view over them for machine and system control, making them suitable for a wide range of applications. Available in a wide range of sizes and variants, they support the integration of almost any standard operating interface or control device currently available on the market. What's more, these control consoles with their high protection category and stable design provide secure accommodation for components in industrial environments.

Assembly of the CX console system and CX one-piece console

Optimise your work processes by maximising synergies with the new Rittal consoles. Whether you opt for our modular console system or the one-piece console, enjoy flexible interior installation options with accessories from Rittal's modular system. Assembly of the consoles is quick and easy, thanks to the cleverly thought-out design principle.

The modular layout enables use as a one-piece, two-piece or three-piece console system. Simply select up to three components with the same width and depth. With one-piece and two-piece designs, cover plates reliably seal the enclosure.

CX console system

Three-piece layout comprised of:
1 Console
2 Desk unit
3 Pedestal

Two-piece layout comprised of:
4 Cover plate
2 Desk unit
3 Pedestal

Once-piece layout comprised of:
5 Cover plate
3 Pedestal

The CX one-piece console is manufactured from a single piece and is ideal for situations that require stand-alone consoles for control and monitoring tasks. The interior installation is identical to the CX console system. Everything is ready for you to start configuring immediately.

CX one-piece console

One-piece layout comprised of:
6 One-piece console

CX console system and CX one-piece console – Benefits and advantages in detail

Punched sections with mounting flanges and rails for individual configuration

The straight back allows easy external mounting of climate control components

Ideal for mounting heavy installed components

Flexible cable entry

Locks are easily
exchanged for
AX fastener systems

Versatile assembly and configuration options
- Flexible cable entry with VX gland plates and rails from the Rittal modular system
- The 90° angle in the console supports simple machining with the Rittal Perforex machining centre and allows siting directly against the wall

Seamless interior installation concept
- Flexible interior installation in all console system components or the one-piece console
- VX punched sections with mounting flanges and rails may be used for individual configuration
- Even heavy installed components such as transformers are readily accommodated

Paperless machine and plant documentation
- The Rittal ePOCKET wiring plan pocket supplied as standard enables a paperless handover
- Easily access up-to-date documentation for streamlined maintenance

Flexible interior and base configuration with the CX console system and CX one-piece console

A consistent interior installation concept is used in all console system components as well as the one-piece console, for maximum flexibility. The punched sections with mounting flanges and rails of the VX25 baying enclosure system may be flexibly used in all three enclosure parts for individual configuration.

Even heavy installed components such as transformers are effortlessly fitted in the pedestal using standard accessories.

Three-part gland plates conceal the base opening and allow simple cable entry. The cable entry is easily adjusted and extended with the VX range of accessories.

Bolts integrated into the enclosure enable fast, precise mounting of the CX interior installation rail. This means it can be readily extended using Rittal punched sections with mounting flanges and accessories.

The console allows flexible, individual design for efficient use of the available surfaces with partial mounting plates, support strips and punched sections with mounting flanges.

The aluminium strip on the lid adds an attractive finishing touch as a design and handle element.

CX console system

Material:
– Enclosure: Sheet steel, 1.5 mm
– Door: Sheet steel 2.0 mm, all-round foamed-in PU seal
– Mounting plate: Sheet steel, 2.5 mm

Surface finish:
– Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
– Mounting plate: Zinc-plated

Colour:
– RAL 7035

Supply includes:
– Enclosure open at top
– Door or double-door with 3-point locking system
– Mounting plate
– Gland plates
– Locks: 3 mm double-bit
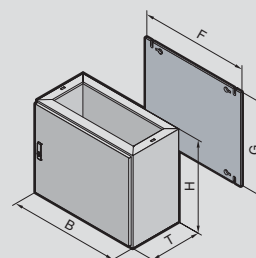
Protection category IP to IEC 60 529:
– IP 55

Type rating UL 50E:
– Type 1, 12

Approvals:
Available on the Internet

Desk unit CX, depth 400 mm

Width (B) mm		Packs of	600	800	1200	1600	Page
Height (H) mm			675	675	675	675	
Depth (T) mm			400	400	400	400	
Mounting plate width (F) mm			520	720	1120	1520	
Mounting plate height (G) mm			625	625	625	625	
Model No.		1 pc(s).	**6700.000**	**6701.000**	**6702.000**	**6703.000**	
Product-specific scope of supply							
Door(s)			1	1	2	2	
Accessories							
Base/plinth corner pieces with base/plinth trim panels, front and rear	Height 100 mm	2 pc(s).	8660.002	8660.003	8660.007	8660.008	
	Height 200 mm	2 pc(s).	8660.022	8660.023	8660.025	8660.026	
Base/plinth trim panels, sides	Height 100 mm	2 pc(s).	8660.031	8660.031	8660.031	8660.031	
	Height 200 mm	2 pc(s).	8660.041	8660.041	8660.041	8660.041	
Cover plate		1 pc(s).	6730.900	6730.910	6730.920	6730.930	17
Rail for interior installation CX	In height	4 pc(s).	6730.700	6730.700	6730.700	6730.700	17
Base configuration rail AX		4 pc(s).	2394.100	2394.100	2394.100	2394.100	18
Punched sections with mounting flanges, 14 x 39 mm	In the depth	4 pc(s).	8619.700	8619.700	8619.700	8619.700	18
Punched sections with mounting flanges, 14 x 39 mm	In door	4 pc(s).	8619.720	8619.730	8619.720	8619.730	18
Punched sections with mounting flanges, 23 x 64 mm	In the depth	4 pc(s).	8617.110	8617.110	8617.110	8617.110	
Support strip	In the depth	20 pc(s).	4594.000	4594.000	4594.000	4594.000	
Support strip	In door	20 pc(s).	4696.000	4697.000	4696.000	4697.000	
LED system light			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Door-operated switch		1 pc(s).	2500.460	2500.460	2500.460	2500.460	
Wiring plan pocket, width-variable		1 pc(s).	2515.300	2515.400	2515.300	2515.400	
Support rail 48 x 26 mm		2 pc(s).	8617.800	8617.810	8617.830	–	
Cable clamp rail (right angle section)		2 pc(s).	8619.410	8619.420	8619.440	8619.450	
Gland plates			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Section for cable entry, rear			8618.810	8618.811	8618.813	8618.814	
	Packs of		2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, centre			8618.800	8618.801	8618.803	8618.804	
	Packs of		2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Lock inserts, type A			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Comfort handle AX			See Rittal website	See Rittal website	See Rittal website	See Rittal website	

Desk unit CX, depth 500 mm

Width mm		Packs of	600	800	1200	1600	Page
Height mm			675	675	675	675	
Depth mm			500	500	500	500	
Mounting plate width mm			520	720	1120	1520	
Mounting plate height mm			625	625	625	625	
Model No.		1 pc(s).	**6704.000**	**6705.000**	**6706.000**	**6707.000**	
Product-specific scope of supply							
Door(s)			1	1	2	2	
Accessories							
Base/plinth corner pieces with base/ plinth trim panels, front and rear	Height 100 mm	2 pc(s).	8660.002	8660.003	8660.007	8660.008	
	Height 200 mm	2 pc(s).	8660.022	8660.023	8660.025	8660.026	
Base/plinth trim panels, sides	Height 100 mm	2 pc(s).	8660.032	8660.032	8660.032	8660.032	
	Height 200 mm	2 pc(s).	8660.042	8660.042	8660.042	8660.042	
Cover plate		1 pc(s).	6730.940	6730.950	6730.960	6730.970	17
Rail for interior installation CX	In height	4 pc(s).	6730.700	6730.700	6730.700	6730.700	17
Base configuration rail AX		4 pc(s).	2394.100	2394.100	2394.100	2394.100	18
Punched sections with mounting flanges, 14 x 39 mm	In the depth	4 pc(s).	8619.710	8619.710	8619.710	8619.710	18
Punched sections with mounting flanges, 14 x 39 mm	In door	4 pc(s).	8619.720	8619.730	8619.720	8619.730	18
Punched sections with mounting flanges, 23 x 64 mm	In the depth	4 pc(s).	8617.120	8617.120	8617.120	8617.120	
Support strip	In the depth	20 pc(s).	4309.000	4309.000	4309.000	4309.000	
Support strip	In door	20 pc(s).	4696.000	4697.000	4696.000	4697.000	
LED system light			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Door-operated switch		1 pc(s).	2500.460	2500.460	2500.460	2500.460	
Wiring plan pocket, width-variable		1 pc(s).	2515.300	2515.400	2515.300	2515.400	
Support rail 48 x 26 mm		2 pc(s).	8617.800	8617.810	8617.830	–	
Cable clamp rail (right angle section)		2 pc(s).	8619.410	8619.420	8619.440	8619.450	
Gland plates			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Section for cable entry, rear			8618.810	8618.811	8618.813	8618.814	
		Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, centre			8618.800	8618.801	8618.803	8618.804	
		Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Lock inserts, type A			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Comfort handle AX			See Rittal website	See Rittal website	See Rittal website	See Rittal website	

CX console system

Material:
– Enclosure: Sheet steel, 1.5 mm
– Console lid: Sheet steel 2.0 mm, all-round foamed-in PU seal

Surface finish:
– Enclosure and lid: Dipcoat-primed, powder-coated on the outside, textured paint

Colour:
– RAL 7035

Supply includes:
– Enclosure
– Lid hinged at rear, 2 stays with automatic latching, automatic unlatching on the left and manual unlatching on the right
– Opening for cable entry into the enclosure base
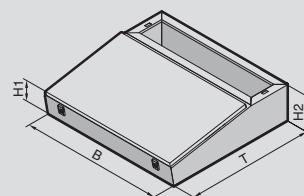– Locks: 3 mm double-bit

Protection category IP to IEC 60 529:
– IP 55

Type rating UL 50E:
– Type 1, 12

Approvals:
Available on the Internet

Desk unit CX

Width (B) mm	Packs of	600	800	1200	1600	Page
Height front (H1) mm		130	130	130	130	
Height rear (H2) mm		200	200	200	200	
Depth (T) mm		745	745	745	745	
Model No.	1 pc(s).	**6710.000**	**6711.000**	**6712.000**	**6713.000**	
Product-specific scope of supply						
No. of cam locks		2	2	3	3	
Accessories						
Cover plate	1 pc(s).	6730.810	6730.820	6730.830	6730.840	17
Partial mounting plate, locatable	Width 200 mm	1 pc(s).	6730.310	6730.310	6730.310	6730.310	
	Width 500 mm	1 pc(s).	6730.330	6730.330	6730.330	6730.330	
	Width 700 mm	1 pc(s).	–	6730.340	6730.340	6730.340	
Aluminium strip CX		1 pc(s).	6730.800	6730.800	6730.800	6730.800	17
Rail for interior installation CX	For width	4 pc(s).	6730.700	6730.710	6730.700[1]	6730.710[2]	17
Punched sections with mounting flanges, 14 x 39 mm	For depth	4 pc(s).	8619.710	8619.710	8619.710	8619.710	18
Support strip	For depth	20 pc(s).	4309.000	4309.000	4309.000	4309.000	
Mini-comfort handle AX			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Lock inserts, type A			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Lock cover for padlocks or multiple locks	1 pc(s).	2493.000	2493.000	2493.000	2493.000	
Drawer for keyboard and mouse	1 pc(s).	6002.000	6002.000	6002.000	6002.000	

[1] To configure the enclosure or cover, you will need 2x CX interior installation rails, 600 mm length.
[2] To configure the enclosure or cover, you will need 2x CX interior installation rails, 800 mm length.

Material:
– Enclosure: Sheet steel, 1.5 mm
– Door: Sheet steel 2.0 mm,
  all-round foamed-in PU seal

Surface finish:
– Enclosure and door: Dipcoat-
  primed, powder-coated on the
  outside, textured paint

Colour:
– RAL 7035

Supply includes:
– Enclosure
– Cover hinged at the bottom,
  including lid support
– Open base for individual cable
  entry
– Locks: 3 mm double-bit
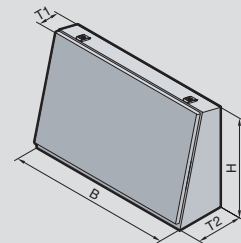
**Protection category IP
to IEC 60 529:**
– IP 55

Type rating UL 50E:
– Type 1, 12

Approvals:
Available on the Internet

Console CX

Width (B) mm	Packs of	600	800	1200	1600	Page
Height (H) mm		515	515	515	515	
Depth top (T1) mm		125	125	125	125	
Depth bottom (T2) mm		245	245	245	245	
Model No.	1 pc(s).	**6720.000**	**6721.000**	**6722.000**	**6723.000**	
Product-specific scope of supply						
No. of cam locks		2	2	3	3	
Accessories						
Partial mounting plate, locatable	Width 200 mm	1 pc(s).	6730.310	6730.310	6730.310	6730.310	
	Width 500 mm	1 pc(s).	6730.330	6730.330	6730.330	6730.330	
	Width 700 mm	1 pc(s).	–	6730.340	6730.340	6730.340	
Rail for interior installation CX	For width	4 pc(s).	6730.700	6730.710	6730.700[1]	6730.710[2]	17
Punched sections with mounting flanges, 14 x 39 mm	For height	4 pc(s).	8619.710	8619.710	8619.710	8619.710	18
Support strip	For height	20 pc(s).	4309.000	4309.000	4309.000	4309.000	
Mini-comfort handle AX			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Lock inserts, type A			See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Lock cover for padlocks or multiple locks	1 pc(s).		2493.000	2493.000	2493.000	2493.000	

[1] To configure the enclosure or lid, you will need 2x CX interior installation rails, 600 mm length.
[2] To configure the enclosure or lid, you will need 2x CX interior installation rails, 800 mm length.

CX one-piece console

Material:
– Enclosure: Sheet steel, 1.5 mm
– Door and console lid: Sheet steel 2.0 mm, all-round foamed-in PU seal
– Mounting plate: Sheet steel, 2.5 mm

Surface finish:
– Enclosure, cover and door: Dipcoat-primed, powder-coated on the outside, textured paint
– Mounting plate: Zinc-plated

Colour:
– RAL 7035

Supply includes:
– Enclosure, solid rear and sides
– Door or double-door at front, with 3-point locking system
– Mounting plate
– Lid with cam hinged at the rear, 2 stays with automatic latching, automatic unlatching on the left, manual on the right

– Gland plates
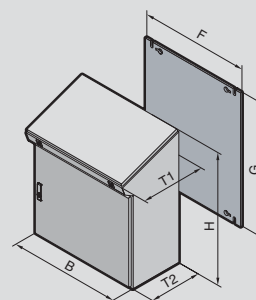– Locks: 3 mm double-bit

Protection category IP to IEC 60 529:
– IP 55

Type rating UL 50E:
– Type 1, 12

Approvals:
Available on the Internet

Width mm	Packs of	600	800	1000	1200	Page
Height mm		970	970	970	970	
Depth top mm		495	495	495	495	
Depth bottom mm		400	400	400	400	
Mounting plate width mm		520	720	920	1120	
Mounting plate height mm		900	900	900	900	
Model No.	1 pc(s).	**6746.000**	**6748.000**	**6740.000**	**6742.000**	
Product-specific scope of supply						
Door(s)		1	1	2	2	
No. of cam locks		2	2	2	3	
Accessories						
Base/plinth corner pieces with base/plinth trim panels, front and rear	Height 100 mm / 2 pc(s).	8660.002	8660.003	8660.005	8660.007	
	Height 200 mm / 2 pc(s).	8660.022	8660.023	8660.024	8660.025	
Base/plinth trim panels, sides	Height 100 mm / 2 pc(s).	8660.031	8660.031	8660.031	8660.031	
	Height 200 mm / 2 pc(s).	8660.041	8660.041	8660.041	8660.041	
Rail for interior installation CX	In height / 4 pc(s).	6730.710	6730.710	6730.710	6730.710	17
Base configuration rail AX	4 pc(s).	2394.100	2394.100	2394.100	2394.100	18
Punched sections with mounting flanges, 14 x 39 mm	In the depth / 4 pc(s).	8619.700	8619.700	8619.700	8619.700	18
Punched sections with mounting flanges, 14 x 39 mm	In door / 4 pc(s).	8619.720	8619.730	8619.710	8619.720	18
Punched sections with mounting flanges, 14 x 39 mm	In cover / 4 pc(s).	8619.710	8619.710	8619.710	8619.710	
Punched sections with mounting flanges, 23 x 64 mm	In the depth / 4 pc(s).	8617.110	8617.110	8617.110	8617.110	
LED system light		See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Wiring plan pocket, width-variable	1 pc(s).	2515.300	2515.400	2515.200	2515.300	
Support rail 48 x 26 mm	2 pc(s).	8617.800	8617.810	8617.820	8617.830	
Cable clamp rail with right angle section	2 pc(s).	8619.410	8619.420	8619.430	8619.440	
Gland plates		See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Section for cable entry, rear		8618.810	8618.811	8618.812	8618.813	
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, centre		8618.800	8618.801	8618.802	8618.803	
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Comfort handle AX	For door	See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Mini-comfort handle AX	For cover	See Rittal website	See Rittal website	See Rittal website	See Rittal website	
Lock inserts, type A		See Rittal website	See Rittal website	See Rittal website	See Rittal website	

Accessories

Cover plate

for CX pedestal and CX desk unit
For sealing the top opening of the CX pedestal
and/or CX desk unit

Material:
– Sheet steel

Surface finish:
– Powder-coated on the outside, textured paint

Colour:
– RAL 7035

Supply includes:
– Assembly parts

For desk unit

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	**6730.810**
800	1 pc(s).	**6730.820**
1200	1 pc(s).	**6730.830**
1600	1 pc(s).	**6730.840**

For pedestal

For enclosure width mm	For enclosure depth mm	Packs of	Model No.
600	400	1 pc(s).	**6730.900**
800	400	1 pc(s).	**6730.910**
1200	400	1 pc(s).	**6730.920**
1600	400	1 pc(s).	**6730.930**
600	500	1 pc(s).	**6730.940**
800	500	1 pc(s).	**6730.950**
1200	500	1 pc(s).	**6730.960**
1600	500	1 pc(s).	**6730.970**

Aluminium strip CX

for CX desk unit and CX one-piece console
For retrospective external mounting on CX desk unit
and CX one-piece console. Prevents documents
such as wiring plans from slipping off and adds an
attractive finishing touch.

Installation options:
– Easily cut to length for other sizes
– 3 x width 600 mm
– 2 x width 800 mm
– 1 x width 1000 mm + 1 x width 600 mm
– 1 x width 1200 mm
– 1 x width 1600 mm

Material:
– Extruded aluminium section
– Cover caps: Plastic

Surface finish:
– Aluminium extruded section: Natural anodised

Colour:
– Cover caps: RAL 7016

Length mm	Packs of	Model No.
1750	1 pc(s).	**6730.800**

Supply includes:
– 1 aluminium section
– 6 plastic covers
– 1 drilling template
– Assembly parts

Rail for interior installation CX

for CX console system and CX one-piece console
For mounting on the existing threaded bolts. With
system punchings on three sides.

Material:
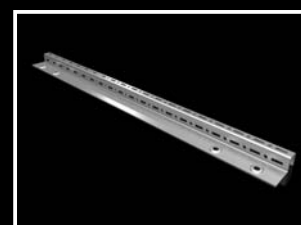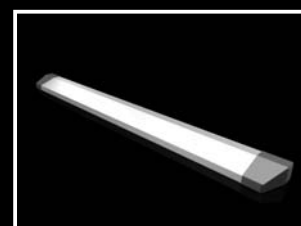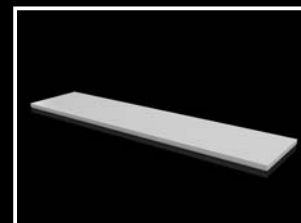– Sheet steel
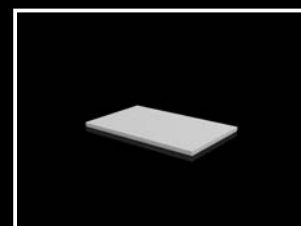
Surface finish:
– Zinc-plated

Supply includes:
– Assembly parts

For enclosure width mm	For enclosure height mm	Length	Packs of	Model No.
600	675	500	4 pc(s).	**6730.700**
800	–	700	4 pc(s).	**6730.710**
1000	–	900	4 pc(s).	**6730.720**
1200[1]	–	500	4 pc(s).	**6730.700**
1600[2]	–	700	4 pc(s).	**6730.710**

[1] To configure the 1200 mm wide console & desk units
and lid CX, you will need 2x CX interior installation rails,
600 mm length.
[2] To configure the 1600 mm wide console & desk units
and lid CX, you will need 2x CX interior installation rails,
800 mm length.

Accessories

Base configuration rail AX

For installation in CX console system and CX one-piece console in conjunction with the CX interior installation rail and punched section with mounting flange 14 x 39 mm.

For the installation of VX accessories such as:
– Support rail 48 x 26 mm
– Cable clamp rail
– Punched sections with mounting flanges, 23 x 64 mm

Material:
– Sheet steel

Surface finish:
– Zinc-plated

Length mm	Packs of	Model No.
99	4 pc(s).	**2394.100**

⚠ **Also required:**

– Interior installation rail CX, see page 17
– Punched section with mounting flange, 14 x 39 mm, see page 18

Punched section with mounting flange, 14 x 39 mm

For interior installation of CX console system and CX one-piece console in the enclosure width, height and depth.

Locates securely onto the CX interior installation rail.

For attachment of
– Cable ducts
– Cable conduit holder

Material:
– Sheet steel

Surface finish:
– Zinc-plated

Supply includes:
– Assembly parts

✚ **Accessories:**

– M5 screws and self-tapping screws for configuring the customer's own components on the punched section with mounting flange, see Internet

⚠ **Also required:**

– Interior installation rail CX, see page 17

Installation in the door

For enclosure	For door width mm	Mounting position	Distance between attachment points	Packs of	Model No.
Pedestal	500	Door	375	4 pc(s).	**8619.710**
	600	Door	475	4 pc(s).	**8619.720**
	800	Door	675	4 pc(s).	**8619.730**
One-piece console	500	Door	375	4 pc(s).	**8619.710**
	600	Door	475	4 pc(s).	**8619.720**
	800	Door	675	4 pc(s).	**8619.730**

Installation in the enclosure/lid

For enclosure	For enclosure depth mm	Mounting position	Distance between attachment points	Packs of	Model No.
Pedestal	400	Enclosure	275	4 pc(s).	**8619.700**
	500	Enclosure	375	4 pc(s).	**8619.710**
Desk unit	–	Enclosure/lid	375	4 pc(s).	**8619.710**
Console	–	Enclosure/lid	375	4 pc(s).	**8619.710**
One-piece console	400	Enclosure	275	4 pc(s).	**8619.700**
	–	Lid	375	4 pc(s).	**8619.710**

Rittal ePOCKET –
The digital wiring plan pocket

Streamline your processes and maintenance operations with Rittal ePOCKET – your digital wiring plan pocket for efficient plant documentation.

Design and documentation:

- Fast, reliable documentation available to all project participants
- All-digital processes from wiring plan generation to the Rittal ePOCKET guarantee immediate availability
- Fast change management with the integral EPLAN eVIEW workflow
- Save on printing costs and minimise your carbon footprint
- Up-to-date data is available to all project participants

Service and maintenance:

- Save time on maintenance and repairs by rapidly locating the information you need
- Faster troubleshooting through simple pinpointing of the correct enclosure on site
- Reduced plant downtime and maintenance costs
- Correct documentation reduces the risk of error
- Minimised risk of fire (because no paper is stored inside the enclosure)
- Up-to-date data is available to all project participants
- Continuous tracking of changes by the maintenance engineers

More about the Rittal ePOCKET
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