# Knürr ConAct®

## 19" Network Wall Enclosure

**1.**100 **to 1.**105

# 19" Network Wall Enclosure
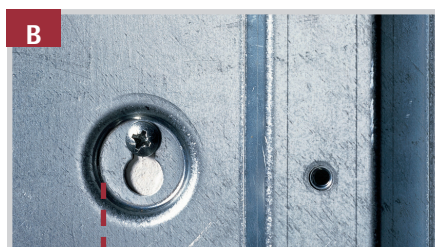
## Knürr ConAct®
## Strong points

**Unpack – and start with the network installation within minutes**

A

ACT00024

**Economic efficiency**
– Savings of up to 50% of transport volume with flat-pack packing (see figure A)
– Easy transport right up to assembly with space-saving packaging
– Small packages – low storage space

B

ACT00031

**"One-Person" Setup**
– No unnecessary removal of enclosure parts as it is delivered part dismantled
– Rear panel mounting without measuring using drill hole template
– Easy assembly with:
– Keyhole punching on the rear panel (see figure B)
– Push-in technology for mounting rails and covers
– Symmetrical enclosure setup

ACT00004

**1.**

Hang rear panel

ACT00005

**2.**

Fix supports and vertical extrusions

C

ACT00030



D

ACT00033

■ **Cabling made easy**
– All-side access guarantees convenient mounting of the components
– Easy cable management with on-site existing cables with open construction design
– Orderly cable management with spacious side jumpering area and cable clamping rails as accessories (see figures C+D)



E

ACT00032

■ **Customer specification**
– Individually configurable with color variants or cover mounting holes
– 19" or metric installation possible
– 19" vertical extrusions can be depth adjusted on 25 mm increment
– Easy door stop change with shift bolt system (see figure E)
– Ventilation concept can be expanded at later stages with optional active ventilation unit
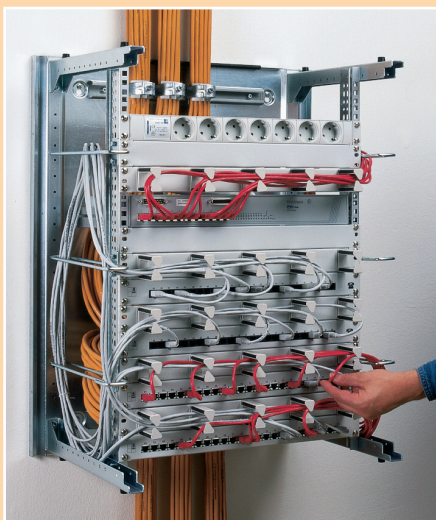


ACT00006

**3.**

... cable and mount components



ACT00007

**4.**

fit covers



ACT00008

**5.**

... and the installation is ready!

# Knürr ConAct®



ACT00017

■ **Maintenance-friendly**
 – Easy access for servicing is also guaranteed by removing the side panels
 – Enclosure can be locked with security lock
 – Door opening angle ›180°



F

ACT00034



G

ACT00033

■ **Accessories**
 – Easy integration of accessories, e.g. socket strips with screw-on points on the vertical extrusion or on the rear panel (see figure F)
 – Accessories available for orderly cable management, e.g. cable routing board or jumpering bracket (see figure G)
 – Comprehensive standard accessories range available, e.g. shelves, drawers, socket strips, etc.
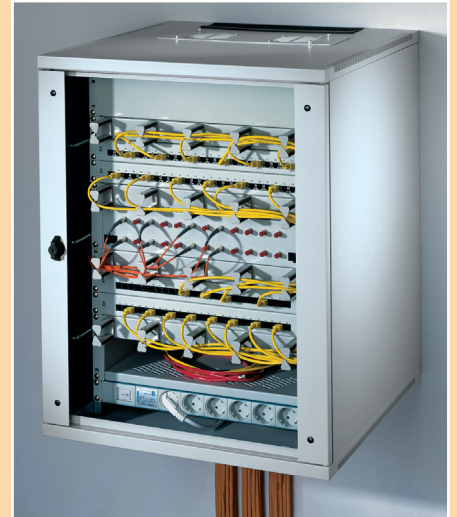
**Application examples:**



ACT00020

Glass door with trims in special colors



ACT00025

Design door with perforation



ACT00021

Enclosure with active ventilation unit

**1.**102

## Knürr ConAct®
### Technical data

– In acc. with IEC 297
– With fixed 19" installation
– For components in acc. with IEC 297-3
– Removable covers
– Covers above and below with side vent slots

■ **For installing**
– 19" components on the front
– 19" components on the rear, optionally with additional 19" vertical extrusion set
– Equipment with max. construction width of 450 mm
– Installation accessories

■ **19" enclosure in acc. with IEC 2973**
– Heights: 6 U / 9 U / 12 U / 15 U / 18 U / 21 U / 24 U (1 U = 44.45 mm)
– Width: 482.6 mm (19")

■ **External dimensions**
– Heights: 352 mm / 486 mm / 619 mm / 752 mm / 886 mm / 1019 mm / 1152 mm
– Width: 600 mm
– Depths: 400 mm / 500 mm / 600 mm

■ **Jumpering space**
– Front: 100 mm (adjustable)
– Side: 55 mm

■ **Static load rating**
500 N

■ **Protection rating**
IP 20

■ **Standards**
Earthing, VDE 0100 T 540
EN 60950, EN 60529

■ **Configuration**
Stationary, wall mounting

Rear panel

Ventilation unit

To cover, prepared for ventilation unit

Grey surfaces = system components (optional, not included in standard)

Cable clamping rail

Support

Sheet steel door

Glass door

Design door, closed (sheet steel)

Side panel

Design door, perforated (sheet steel)

19" vertical extrusion
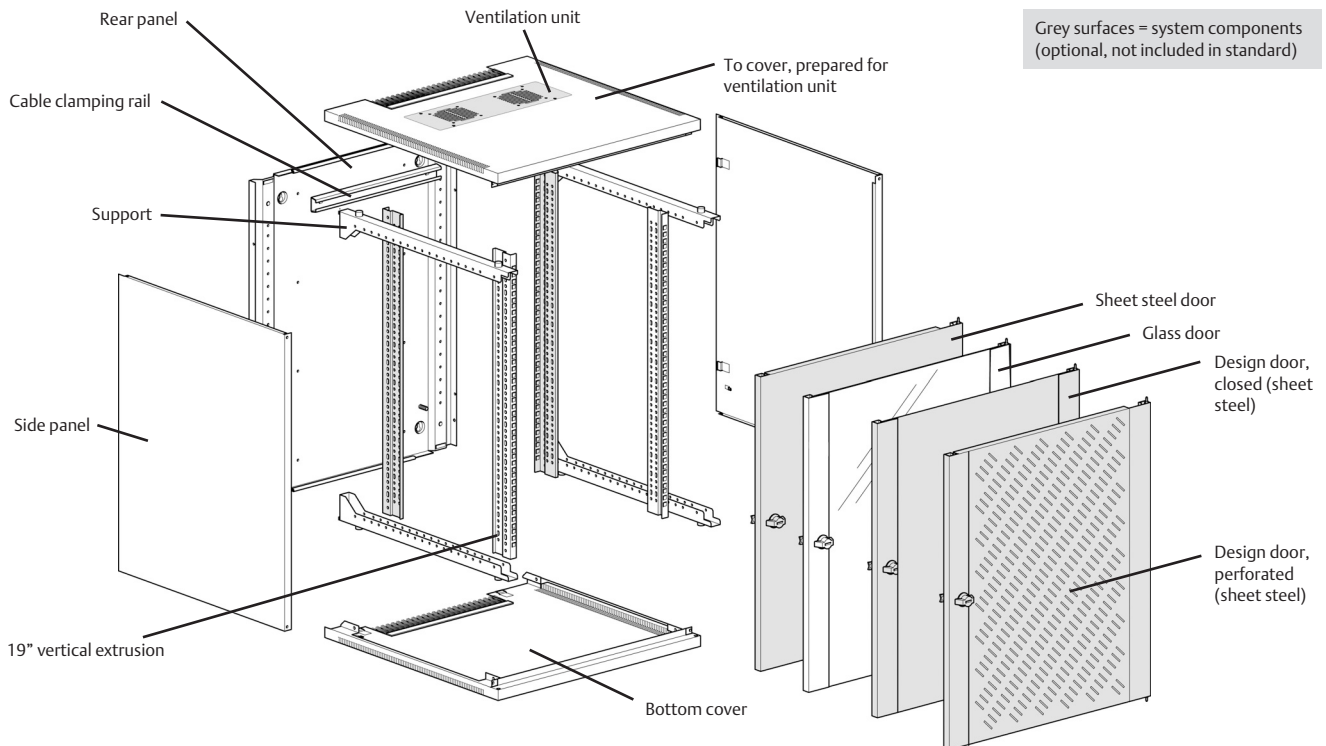
Bottom cover

ACT00038

ACT20053



ACT20041

## Knürr ConAct® Standard 19" Wall Mounting Rack

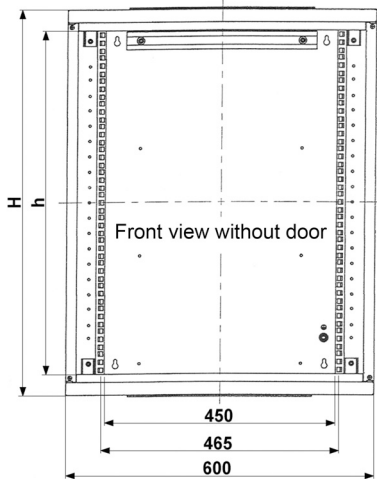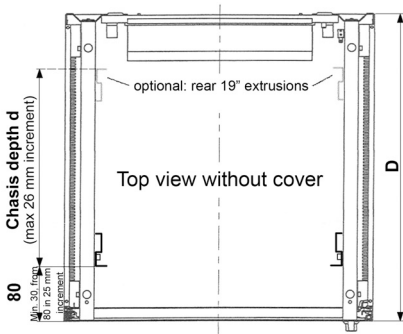– For components in acc. with IEC 297-3
– Accessible from all sides, covers can be quik- kly removed
– Cable routing via brush strip on top cover and bottom cover
– Ventilation unit, optional (quick and easy to upgrade)
– Front door with single safety glass panel, lockable

■ **Jumpering space**
80 mm (minimum 32, from 80 on the 25 mm increment)

■ **Load rating**
500 N static

■ **Protection rating**
IP 20

■ **Material/ Finish**
- Rear panel and basic frame, sheet steel, zinc-passivated

- Removable covers, powder-coated sheet steel
- Front door, single safety glass panel, textured
- 19" vertical extrusions, zinc-passivated sheet steel

■ **Color**
RAL 7035 light gray

■ **Supply schedule**
1 rear panel
4 mounting rails
2 19" sheet steel vertical extrusions
1 top cover, prepared for ventilation unit
1 bottom cover, closed
2 side panels
1 glass door
1 cable clamping rail
Mounting material

■ **How supplied**
Part assembled

| W H | D | U | h | d(max.) | kg | Model | | Order no. | | UP |
|---|---|---|---|---|---|---|---|---|---|---|
| 600 | 352 | 400 | 6 | 270 | 235 | 16 | With glass door | 05.010.000.1 | ⚡ | 1 unit |
| 600 | 486 | 400 | 9 | 404 | 235 | 19 | With glass door | 05.010.001.1 | ⚡ | 1 unit |
| 600 | 619 | 400 | 12 | 537 | 235 | 22 | With glass door | 05.010.002.1 | ⚡ | 1 unit |
| 600 | 752 | 400 | 15 | 670 | 235 | 25 | With glass door | 05.010.003.1 | | 1 unit |
| 600 | 886 | 400 | 18 | 804 | 235 | 28 | With glass door | 05.010.004.1 | | 1 unit |
| 600 | 1019 | 400 | 21 | 937 | 235 | 31 | With glass door | 05.010.005.1 | | 1 unit |
| 600 | 1152 | 400 | 24 | 1070 | 235 | 34 | With glass door | 05.010.006.1 | | 1 unit |
| | | | | | | | | | | |
| 600 | 352 | 500 | 6 | 270 | 335 | 18 | With glass door | 05.010.007.1 | ⚡ | 1 unit |
| 600 | 486 | 500 | 9 | 404 | 335 | 21 | With glass door | 05.010.008.1 | ⚡ | 1 unit |
| 600 | 619 | 500 | 12 | 537 | 335 | 24 | With glass door | 05.010.009.1 | ⚡ | 1 unit |
| 600 | 752 | 500 | 15 | 670 | 335 | 28 | With glass door | 05.010.010.1 | ⚡ | 1 unit |
| 600 | 886 | 500 | 18 | 804 | 335 | 31 | With glass door | 05.010.011.1 | ⚡ | 1 unit |
| 600 | 1019 | 500 | 21 | 937 | 335 | 34 | With glass door | 05.010.012.1 | | 1 unit |
| 600 | 1152 | 500 | 24 | 1070 | 335 | 37 | With glass door | 05.010.013.1 | | 1 unit |
| | | | | | | | | | | |
| 600 | 352 | 600 | 6 | 270 | 435 | 20 | With glass door | 05.010.014.1 | ⚡ | 1 unit |
| 600 | 486 | 600 | 9 | 404 | 435 | 23 | With glass door | 05.010.015.1 | ⚡ | 1 unit |
| 600 | 619 | 600 | 12 | 537 | 435 | 27 | With glass door | 05.010.016.1 | ⚡ | 1 unit |
| 600 | 752 | 600 | 15 | 670 | 435 | 30 | With glass door | 05.010.017.1 | ⚡ | 1 unit |
| 600 | 886 | 600 | 18 | 804 | 435 | 34 | With glass door | 05.010.018.1 | ⚡ | 1 unit |
| 600 | 1019 | 600 | 21 | 937 | 435 | 37 | With glass door | 05.010.019.1 | ⚡ | 1 unit |
| 600 | 1152 | 600 | 24 | 1070 | 435 | 41 | With glass door | 05.010.020.1 | ⚡ | 1 unit |

**Dimensions in mm:** W= Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP= unit of packaging
kg = weight

⚡ = Express item

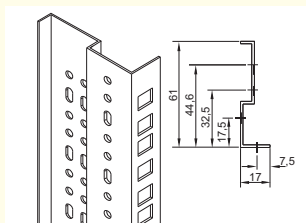**Conversion:** 1 mm = 0.03937 inch      1 kg = 2.2046 pound
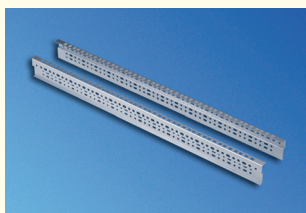
ACT00029



ACT00035

## Knürr ConAct®
## 19" vertical extrusion

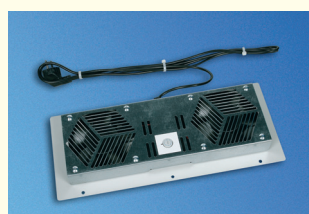– For front and/or rear installation in the enclosure

■ **Material/Finish**
Sheet steel, 1.5 mm, zinc-passivated

■ **Supply schedule**
2 vertical extrusions
Mounting material

| W | H | D | U | h | d | kg | Model | Order no. | | UP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 6 | | | | | 05.010.321.9 | | 1 set |
| | | | 9 | | | | | 05.010.322.9 | | 1 set |
| | | | 12 | | | | | 05.010.323.9 | | 1 set |
| | | | 15 | | | | | 05.010.324.9 | | 1 set |
| | | | 18 | | | | | 05.010.325.9 | | 1 set |
| | | | 21 | | | | | 05.010.326.9 | | 1 set |
| | | | 24 | | | | | 05.010.327.9 | | 1 set |



ACT20027



ACT20054

## Knürr ConAct®
## Sheet steel door

– For use instead of glass door

■ **Material/Finish**
Sheet steel, powder-coated texture

■ **Color**
RAL 7035 light gray

■ **Supply schedule**
1 steel door
Mounting material

■ **How supplied**
Flat-packed kit

■ **Note**
In project cases we also deliver our ConAct wall enclosure with sheet steel door. Please contact us at your leisure.

| W | H | D | U | h | d | kg | Model | Order no. | UP |
|---|---|---|---|---|---|---|---|---|---|
| | | | 6 | | | | | 05.010.421.1 | 1 unit |
| | | | 9 | | | | | 05.010.422.1 | 1 unit |
| | | | 12 | | | | | 05.010.423.1 | 1 unit |
| | | | 15 | | | | | 05.010.424.1 | 1 unit |
| | | | 18 | | | | | 05.010.425.1 | 1 unit |
| | | | 21 | | | | | 05.010.426.1 | 1 unit |
| | | | 24 | | | | | 05.010.427.1 | 1 unit |



ACT20052



ACT20056



ACT00041

## Knürr ConAct®
## Ventilation unit with thermostat

– Easy later installation of the fan unit in the top cover
– With two axial fans
– With thermostat
– Available in two different performance classes

■ **Material/Finish**
Sheet steel, zinc-passivated

■ **Single fan technical data**
Type 1
- Volume current (free blowing):
  162 m³/h per fan
- Noise (free blowing): 37 dB(A)

Type 2 (quiet)
- Volume current (free blowing):
  120 m³/h per fan
- Noise (free blowing): 32 dB(A)

■ **Technical data: Thermostat**
- Setting range: 0 to 60 °C
- Mains supply: 240 V / 50 Hz
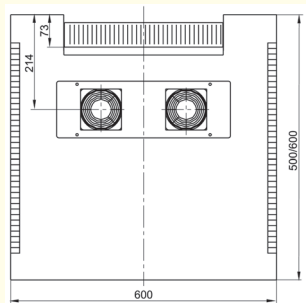- Nominal current: 16 A

■ **Color**
RAL 7035 light gray

■ **Supply schedule**
1 ventilation unit ready for connection wired, with thermostat

■ **How supplied**
Assembled, wired and tested

| W | H | D | U | h | d | kg | Model | Order no. | | UP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Type 1 | 05.010.306.1 | | 1 set |
| | | | | | | | Type 2 (quiet) | 05.010.307.1 | | 1 set |



ACT00026

## Knürr ConAct®
## Earthing set

– For earthing all covers on the enclosure frame

■ **Supply schedule**
5 earth conductors, 6 mm²
Mounting material

| W | H | D | U | h | d | kg | Model | Order no. | | UP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 05.010.330.9 | | 1 set |



MIR00641



ACT00006_A

## Knürr ConAct®
## Cable clamping rail

– For cable clamping using U-clamps, cable clamping bars or hammer-head threaded plate
– For mounting on rear panel

■ Material/Finish
Sheet steel, zinc-passivated

■ Supply schedule
1 cable clamping rail
Mounting material

■ How supplied
Flat-packed kit

| W | H | D | U | h | d | kg | Model | Order no. | | UP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 05.010.340.9 | | 1 set |