

**Catalogue
excerpt
univers**

:hager

Distribution cabinets univers

The options offered by univers distribution cabinets are versatile enough to meet the needs of any construction site. The wall-mounted, free-standing and modular cabinets meet the demands found in domestic, commercial and industrial buildings. The predominantly used material is sheet steel, the degree of protection ranges from IP41 to IP65.

Fire-resistant distribution cabinets and wall-mounted doors as well as other accessory components with increased fire protection are also available.



Overview, distribution cabinets	3	univers fire-resistant wall-mounted doors/adaptor frame	121
univers IP44 wall cabinets, depth 205 mm	17	univers fire-resistant terminal boxes	122
univers IP54 wall cabinets, depth 205 mm	21	univers fire-resistant junction boxes	123
univers IP44/54 wall cabinets, depth 205 mm, accessories	25	univers fire-resistant distribution cabinets, accessories	124
univers IP55 wall cabinets, depth 275 mm	43	Technology	125
univers IP55 wall cabinets, depth 400 mm	46		
univers IP55 wall cabinets, depth 275/400 mm, accessories	47		
univers IP65 wall cabinets for support plates	57		
univers IP65 wall cabinets for support plates, accessories	59		
univers IP65 wall cabinets, depth 300 mm	61		
univers IP65 wall cabinets, depth 300 mm, accessories	63		
univers IP30/44/54 free-standing cabinets, depth 205 mm	65		
univers IP44/54 free-standing cabinets, depth 205 mm, accessories	67		
univers IP55 free-standing cabinets, depth 275 mm	74		
univers IP55 free-standing cabinets, depth 400 mm	77		
univers IP55 free-standing cabinets, depth 275/400 mm, accessories	79		
univers IP41 modular cabinets, depth 400/600 mm	89		
univers IP54 modular cabinets, depth 400/600 mm	105		
univers fire-resistant distribution cabinets	119		

- Protection classes II + I
- Depth 275/400 mm for devices up to 800 A
- Indoor installation
- Version with three-point rod lock
- Colour: RAL 7035 (Light grey)

- Standards: DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3
- PU: 1

Cabinet type				Wall cabinet		Wall cabinet	
Degree of protection				IP55		IP55	
Protection class				II □		I ↓	
Depth in mm				275		275	
Colour in RAL				7035		7035	
With cable entries					Mounting rails 1 set = 2 rails	Top FZ402 bottom 1 x FZ408M, rest FZ406M	Mounting rails 1 set = 2 rails
Height		Width	PLE	Order no.	Order no.	Order no.	Order no.
500		300	36	FR31S	UN03A	FR31E	UN03A
		550	72	FR32S		FR32E	
		800	108	FR33S		FR33E	
		1050	144	FR34S		FR34E	
		1300	180	FR35S		FR35E	
650		300	48	FR41S	UN04A	FR41E	UN04A
		550	96	FR42S		FR42E	
		800	144	FR43S		FR43E	
		1050	192	FR44S		FR44E	
		1300	240	FR45S		FR45E	
800		300	60	FR51S	UN05A	FR51E	UN05A
		550	120	FR52S		FR52E	
		800	180	FR53S		FR53E	
		1050	240	FR54S		FR54E	
		1300	300	FR55S		FR55E	
950		300	72	FR61S	UN06A	FR61E	UN06A
		550	144	FR62S		FR62E	
		800	216	FR63S		FR63E	
		1050	288	FR64S		FR64E	
		1300	360	FR65S		FR65E	
1100		300	84	FR71S	UN07A	FR71E	UN07A
		550	168	FR72S		FR72E	
		800	252	FR73S		FR73E	
		1050	336	FR74S		FR74E	
		1300	420	FR75S		FR75E	
1250		300	96	FR81S	UN08A	FR81E	UN08A
		550	192	FR82S		FR82E	
		800	288	FR83S		FR83E	
		1050	384	FR84S		FR84E	
		1300	480	FR85S		FR85E	
1400		300	108	FR91S	UN09A	FR91E	UN09A
		550	216	FR92S		FR92E	
		800	324	FR93S		FR93E	
		1050	432	FR94S		FR94E	
		1300	540	FR95S		FR95E	
1550		300	120	FR01S	UN09A	FR01E	UN09A
		550	240	FR02S		FR02E	
		800	360	FR03S		FR03E	
		1050	480	FR04S		FR04E	
		1300	600	FR05S		FR05E	
Depth in mm				400			
1400		550	216	FR92H	UN09A	FR92G	UN09A
		800	324	FR93H		FR93G	
		1050	432	FR94H		FR94G	

Protection class				I	II	III
Cabinet depth in mm				275 mm		
Degree of protection				IP54		
Cabinet width in mm		Cabinet height in mm	Cabinet	Standard door		
				Order no.	Door dimensions H x W (mm)	
300		500	FR31...	FZ031R	493 x 793	
		650	FR41...	FZ041R	643 x 793	
		900	FR51...	FZ051R	793 x 793	
		1050	FR61...	FZ061R	943 x 793	
		1100	FR71...	FZ071R	1093 x 793	
		1250	FR81...	FZ081R	1243 x 793	
		1400	FR91...	FZ091R	1393 x 793	
		1550	FR11...	FZ011R	1543 x 793	
550		500	FR32...	FZ032R	493 x 793	
		650	FR42...	FZ042R	643 x 793	
		900	FR52...	FZ052R	793 x 793	
		1050	FR62...	FZ062R	943 x 793	
		1100	FR72...	FZ072R	1093 x 793	
		1250	FR82...	FZ082R	1243 x 793	
		1400	FR92...	FZ092R	1393 x 793	
		1550	FR12...	FZ012R	1543 x 793	
800		500	FR33...	FZ033R	493 x 793	
		650	FR43...	FZ043R	643 x 793	
		800	FR53...	FZ053R	793 x 793	
		950	FR63...	FZ063R	943 x 793	
		1100	FR73...	FZ073R	1093 x 793	
		1250	FR83...	FZ083R	1243 x 793	
		1400	FR93...	FZ093R	1393 x 793	
		1550	FR13...	FZ013R	1543 x 793	
1050		500	FR34...	FZ034R	493 x 793	
		650	FR44...	FZ044R	643 x 793	
		800	FR54...	FZ054R	793 x 793	
		950	FR64...	FZ064R	943 x 793	
		1100	FR74...	FZ074R	1093 x 793	
		1250	FR84...	FZ084R	1243 x 793	
		1400	FR94...	FZ094R	1393 x 793	
		1550	FR14...	FZ014R	1543 x 793	
1300		500	FR35...	FZ035R	493 x 793	
		650	FR45...	FZ045R	643 x 793	
		800	FR55...	FZ055R	793 x 793	
		950	FR65...	FZ065R	943 x 793	
		1100	FR75...	FZ075R	1093 x 793	
		1250	FR85...	FZ085R	1243 x 793	
		1400	FR95...	FZ095R	1393 x 793	
		1550	FR15...	FZ015R	1543 x 793	

- Protection class I or II
- For devices up to 630 A
- Indoor installation
- Depth 275/400 mm or 350 mm
- Colour: RAL 7035 (Light grey)
- Height 1850 mm
- FZ402 cable entries at top, bottom open

- With base
- Sheet steel or transparent door
- To ensure compliance with the IP54 degree of protection, entry flanges must be inserted
- Standards: DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3

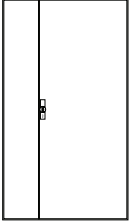
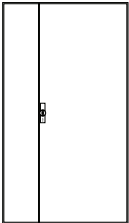
► Page 133

Cabinet type		Free-standing cabinet									
Degree of protection		IP55					IP55				
Depth in mm		275/400					275/400				
Colour in RAL		7035					7035				
With cable entries		Top					Top				
Height / depth	Width	PLE	PC I Base 100 mm	PC I Transparent door with base 100 mm	PC II Base 100 mm	PC II Transparent door with base 100 mm	PC I Base 200 mm	PC I Transparent door with base 200 mm	PC II Base 200 mm	PC II Transparent door with base 200 mm	
1700/ 275		300	132	FR11E1		FR11S1	FR11E2		FR11S2		
		550	264	FR12E1		FR12S1	FR12E2		FR12S2		
		800	396	FR13E1		FR13S1	FR13E2		FR13S2		
		1050	528	FR14E1		FR14S1	FR14E2		FR14S2		
		1300	660	FR15E1		FR15S1	FR15E2		FR15S2		
1850/ 275		300	144	FR21E1	FR21K1	FR21S1	FR21E2	FR21K2	FR21S2	FR21L2	
		550	288	FR22E1	FR22K1	FR22S1	FR22E2	FR22K2	FR22S2	FR22L2	
		800	432	FR23E1	FR23K1	FR23S1	FR23E2	FR23K2	FR23S2	FR23L2	
		1050	576	FR24E1	FR24K1	FR24S1	FR24E2	FR24K2	FR24S2	FR24L2	
		1300	720	FR25E1	FR25K1	FR25S1	FR25E2	FR25K2	FR25S2	FR25L2	
		1500	864	FR26E1	FR26K1	FR26S1	FR26E2	FR26K2	FR26S2	FR26L2	
1850/ 400		300	144	FR21G1	FR21V1	FR21H1	FR21G2	FR21V2	FR21H2	FR21U2	
		550	288	FR22G1	FR22V1	FR22H1	FR22G2	FR22V2	FR22H2	FR22U2	
		800	432	FR23G1	FR23V1	FR23H1	FR23G2	FR23V2	FR23H2	FR23U2	
		1050	576	FR24G1	FR24V1	FR24H1	FR24G2	FR24V2	FR24H2	FR24U2	
		1300	720	FR25G1	FR25V1	FR25H1	FR25G2	FR25V2	FR25H2	FR25U2	
		1550	864	FR26G1	FR26V1	FR26H1	FR26G2	FR26V2	FR26H2	FR26U2	

Base installation always required

► Page 137

Cabinet type			Free-standing cabinet	
Degree of protection			IP41	
Protection class			I ↓	
Depth in mm			275/400	
Colour in RAL			7035	
With cable entries			Top	
Height / depth	Width	PLE	PC I	
			100 mm	
1850/ 275		300	144	FS21E
		550	288	FS22E
		800	432	FS23E
		1050	576	FS24E
		1300	720	FS25E
1850/ 400		300	144	FS21G
		550	288	FS22G
		800	432	FS23G
		1050	576	FS24G
		1300	720	FS25G

Protection class				I II III IV			
Cabinet depth in mm				275 – 400 mm			
Degree of protection				IP54		IP41	
Cabinet width in mm		Cabinet height in mm	Cabinet	Standard door (without lock)		Standard door (without lock)	
				Order no.	Door dimensions H x W (mm)	Order no.	Door dimensions H x W (mm)
1700		300	FR11...	FR011R	1843 x 293		
		550	FR12...	FR012R	1843 x 543		
		800	FR13...	FR013R	1843 x 793		
		1050	FR14...	FR014R	1843 x 520		
		1300	FR15...	FR015R	1843 x 770		
1850		300	FR21...	FR021R	1843 x 293	FR021S	1843 x 293
		550	FR22...	FR022R	1843 x 543	FR022S	1843 x 543
		800	FR23...	FR023R	1843 x 793	FR023S	1843 x 793
		1050	FR24...	FR024R	1843 x 520	FR024S	1843 x 543
		1300	FR25...	FR025R	1843 x 770	FR025S	1843 x 543

- Protection classes II + I
- Depth 275 mm for devices up to 800 A
- Indoor installation
- Version with three-point rod lock

- Colour: RAL 7035 (Light grey)
- Standards: DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3
- PU: 1



FR32S

Protection class II, cabinet height 500 mm

Height	Width	Depth	Degree of protection	PU	Order no.
500 mm	300 mm	275 mm	IP55	1	FR31S
500 mm	550 mm	275 mm	IP55	1	FR32S
500 mm	800 mm	275 mm	IP55	1	FR33S
500 mm	1050 mm	275 mm	IP55	1	FR34S
500 mm	1300 mm	275 mm	IP55	1	FR35S



FR42S

Protection class II, cabinet height 650 mm

Height	Width	Depth	Degree of protection	PU	Order no.
650 mm	300 mm	275 mm	IP55	1	FR41S
650 mm	550 mm	275 mm	IP55	1	FR42S
650 mm	800 mm	275 mm	IP55	1	FR43S
650 mm	1050 mm	275 mm	IP55	1	FR44S
650 mm	1300 mm	275 mm	IP55	1	FR45S



FR52S

Protection class II, cabinet height 800 mm

Height	Width	Depth	Degree of protection	PU	Order no.
800 mm	300 mm	275 mm	IP55	1	FR51S
800 mm	550 mm	275 mm	IP55	1	FR52S
800 mm	800 mm	275 mm	IP55	1	FR53S
800 mm	1050 mm	275 mm	IP55	1	FR54S
800 mm	1300 mm	275 mm	IP55	1	FR55S



FR62S

Protection class II, cabinet height 950 mm

Height	Width	Depth	Degree of protection	PU	Order no.
950 mm	300 mm	275 mm	IP55	1	FR61S
950 mm	550 mm	275 mm	IP55	1	FR62S
950 mm	800 mm	275 mm	IP55	1	FR63S
950 mm	1050 mm	275 mm	IP55	1	FR64S
950 mm	1300 mm	275 mm	IP55	1	FR65S



FR72S

Protection class II, cabinet height 1100 mm

Height	Width	Depth	Degree of protection	PU	Order no.
1100 mm	300 mm	275 mm	IP55	1	FR71S
1100 mm	550 mm	275 mm	IP55	1	FR72S
1100 mm	800 mm	275 mm	IP55	1	FR73S
1100 mm	1050 mm	275 mm	IP55	1	FR74S
1100 mm	1300 mm	275 mm	IP55	1	FR75S



FR82S

Protection class II, cabinet height 1250 mm

Height	Width	Depth	Degree of protection	PU	Order no.
1250 mm	300 mm	275 mm	IP55	1	FR81S
1250 mm	550 mm	275 mm	IP55	1	FR82S
1250 mm	800 mm	275 mm	IP55	1	FR83S
1250 mm	1050 mm	275 mm	IP55	1	FR84S
1250 mm	1300 mm	275 mm	IP55	1	FR85S

Protection class II, cabinet height 1400 mm

Height	Width	Depth	Degree of protection PU		Order no.
1400 mm	300 mm	275 mm	IP55	1	FR91S
1400 mm	550 mm	275 mm	IP55	1	FR92S
1400 mm	800 mm	275 mm	IP55	1	FR93S
1400 mm	1050 mm	275 mm	IP55	1	FR94S
1400 mm	1300 mm	275 mm	IP55	1	FR95S



FR92S

Protection class II, cabinet height 1550 mm

Height	Width	Depth	Degree of protection PU		Order no.
1550 mm	300 mm	275 mm	IP55	1	FR01S
1550 mm	550 mm	275 mm	IP55	1	FR02S
1550 mm	800 mm	275 mm	IP55	1	FR03S
1550 mm	1050 mm	275 mm	IP55	1	FR04S
1550 mm	1300 mm	275 mm	IP55	1	FR05S



FR02S

Protection class I, cabinet height 500 mm

Height	Width	Depth	Degree of protection PU		Order no.
500 mm	300 mm	275 mm	IP55	1	FR31E
500 mm	550 mm	275 mm	IP55	1	FR32E
500 mm	800 mm	275 mm	IP55	1	FR33E
500 mm	1050 mm	275 mm	IP55	1	FR34E
500 mm	1300 mm	275 mm	IP55	1	FR35E



FR32E

Protection class I, cabinet height 650 mm

Height	Width	Depth	Degree of protection PU		Order no.
650 mm	300 mm	275 mm	IP55	1	FR41E
650 mm	550 mm	275 mm	IP55	1	FR42E
650 mm	800 mm	275 mm	IP55	1	FR43E
650 mm	1050 mm	275 mm	IP55	1	FR44E
650 mm	1300 mm	275 mm	IP55	1	FR45E



FR42E

Protection class I, cabinet height 800 mm

Height	Width	Depth	Degree of protection PU		Order no.
800 mm	300 mm	275 mm	IP55	1	FR51E
800 mm	550 mm	275 mm	IP55	1	FR52E
800 mm	800 mm	275 mm	IP55	1	FR53E
800 mm	1050 mm	275 mm	IP55	1	FR54E
800 mm	1300 mm	275 mm	IP55	1	FR55E



FR52E

Protection class I, cabinet height 950 mm

Height	Width	Depth	Degree of protection PU		Order no.
950 mm	300 mm	275 mm	IP55	1	FR61E
950 mm	550 mm	275 mm	IP55	1	FR62E
950 mm	800 mm	275 mm	IP55	1	FR63E
950 mm	1050 mm	275 mm	IP55	1	FR64E
950 mm	1300 mm	275 mm	IP55	1	FR65E



FR62E



FR72E

Protection class I, cabinet height 1100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1100 mm	300 mm	275 mm	IP55 1	FR71E
1100 mm	550 mm	275 mm	IP55 1	FR72E
1100 mm	800 mm	275 mm	IP55 1	FR73E
1100 mm	1050 mm	275 mm	IP55 1	FR74E
1100 mm	1300 mm	275 mm	IP55 1	FR75E



FR82E

Protection class I, cabinet height 1250 mm

Height	Width	Depth	Degree of protection PU	Order no.
1250 mm	300 mm	275 mm	IP55 1	FR81E
1250 mm	550 mm	275 mm	IP55 1	FR82E
1250 mm	800 mm	275 mm	IP55 1	FR83E
1250 mm	1050 mm	275 mm	IP55 1	FR84E
1250 mm	1300 mm	275 mm	IP55 1	FR85E



FR92E

Protection class I, cabinet height 1400 mm

Height	Width	Depth	Degree of protection PU	Order no.
1400 mm	300 mm	275 mm	IP55 1	FR91E
1400 mm	550 mm	275 mm	IP55 1	FR92E
1400 mm	800 mm	275 mm	IP55 1	FR93E
1400 mm	1050 mm	275 mm	IP55 1	FR94E
1400 mm	1300 mm	275 mm	IP55 1	FR95E



FR02E

Protection class I, cabinet height 1550 mm

Height	Width	Depth	Degree of protection PU	Order no.
1550 mm	300 mm	275 mm	IP55 1	FR01E
1550 mm	550 mm	275 mm	IP55 1	FR02E
1550 mm	800 mm	275 mm	IP55 1	FR03E
1550 mm	1050 mm	275 mm	IP55 1	FR04E
1550 mm	1300 mm	275 mm	IP55 1	FR05E

- Protection classes II + I
- Depth 400 mm for devices up to 800 A
- Indoor installation
- Version with three-point rod lock

- Colour: RAL 7035 (Light grey)
- Standards: DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3
- PU: 1

Protection class II, cabinet height 1400 mm

Height	Width	Depth	Degree of protection PU		Order no.
1400 mm	550 mm	275 mm	IP55	1	FR92H
1400 mm	800 mm	275 mm	IP55	1	FR93H
1400 mm	1050 mm	275 mm	IP55	1	FR94H



FR92H

Protection class I, cabinet height 1400 mm

Height	Width	Depth	Degree of protection PU		Order no.
1400 mm	550 mm	275 mm	IP55	1	FR92G
1400 mm	800 mm	275 mm	IP55	1	FR93G
1400 mm	1050 mm	275 mm	IP55	1	FR94G



FR92G



FZ353

Cable duct for wall-mounting

RAL colour number: 7035

Features:

- Suitable for all cabinets with installation depths 160, 205, 275 and 400 mm
- Duct depth 150 mm or 180 mm by rotating 90°

Designation	PU	Order no.
Cable duct, 1 panel, RAL 7035	1	FZ351
Cable duct, 2 panels, RAL 7035	1	FZ352
Cable duct, 3 panels, RAL 7035	1	FZ353
Cable duct, 4 panels, RAL 7035	1	FZ354
Cable duct, 5 panels, RAL 7035	1	FZ355



FZ530

T-handles

Features:

- FZ531 lockable, locking number 1333

Designation	PU	Order no.
Closure, univers, T-handle	1	FZ530
Closure, univers, T-handle	1	FZ531
Spare key, univers, f. FZ531 + FZ533	1	FZ539



FZ532

L-handles

Features:

- FZ531 lockable, locking number 1333

Designation	PU	Order no.
Closure, univers, L-handle	1	FZ532
Closure, univers, L-handle	1	FZ533
Spare key, univers, f. FZ531 + FZ533	1	FZ539



FZ537

Pivoted handle

Features:

- 40 mm profile half cylinder installable
- Including patent fastener

Designation	PU	Order no.
Pivoted lever for FR/FG cabinets	1	FZ537



FZ506

Profile half cylinder for FZ537

Designation	PU	Order no.
1242E profile cylinder	1	FZ506
405 profile cylinder	1	FZ519
455 profile cylinder	1	FZ520



FZ721

Connection kit for two adjacent cabinets, depth 275 and 400 mm

Designation	PU	Order no.
Connector side, 275 mm cabinets	1	FZ721A
Connector side, 400 mm cabinets	1	FZ721B

Connection kits for two cabinets above one another or cabinet on connecting base, depth 275 and 400 mm

Designation	PU	Order no.
Connector, vertical, 1 panel	1	FZ771A
Connector, vertical, 2 panels	1	FZ772A
Connector, vertical, 3 panels	1	FZ773A
Connector, vertical, 4 panels	1	FZ774A
Connector, vertical, 5 panels	1	FZ775A
Connector, vertical, 6 panels	1	FZ776A



FZ775

Connection kits for two bases above one another

Features:

- For all widths
- Two 100/200 mm bases arranged vertically

Designation	PU	Order no.
Connection kit, univers, f. bases	1	FZ714



FZ714

Mounting rails

Features:

- 1 panel
- 1 set = 2 rails

Designation	PU	Order no.
2 mounting rails, universN, length 300 mm	1	UN02A
2 mounting rails, universN, length 450 mm	1	UN03A
2 mounting rails, universN, length 600 mm	1	UN04A
2 mounting rails, universN, length 750 mm	1	UN05A
2 mounting rails, universN, length 900 mm	1	UN06A
2 mounting rails, universN, length 1050 mm	1	UN07A
2 mounting rails, universN, length 1200 mm	1	UN08A
2 mounting rails, universN, length 1350 mm	1	UN09A
2 mounting rails, universN, length 1500 mm	1	UN10A



UN03A

Connectors

Features:

- For connecting two mounting rails

Designation	PU	Order no.
Mounting rail connector, universN (x 2)	1	UT12L



UT12L

Mounting rail bracket

Features:

- UT90G: For attaching mounting rails at different levels (order two per mounting rail)
- UT90J: For attaching two mounting rails at the same level

Designation	PU	Order no.
Mounting rail attachment, universN, single	20	UT90G
Mounting rail attachment, universN, double	10	UT90J



UT90G

Crossbar

Features:

- To intersect the vertical mounting rails inside the cabinet

Designation	Width	PU	Order no.
Crossbar, universN, 2 panels	500 mm	1	UT12PN
Crossbar, universN, 3 panels	750 mm	1	UT12QN



UT12PN



UZ25A

Lowering kit

Features:

- For lowering the crossbar, retaining rail or U-rail, always order when using in combination with meter support plates or support plates

Designation	PU	Order no.
Lowering angle bracket, universN, 25 mm (x 2)	1	UZ25A
Low. angle bracket, uni N, 25 mm, f. coupl. pl. (x 2)	1	UZ25AK
Lowering angle bracket 50 mm (x 2)	1	UZ50A
Lowering angle bracket 50 mm, for coupling plate (x 2)	1	UZ50AK



UT90F

Coupling plates

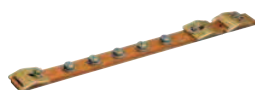
UT90F features:

- For supporting two vertical, cut-to-length mounting rails
- Mounted on the retaining rails or U-rails

UT90L/R features:

- For using modules with support plates

Designation	PU	Order no.
Coupling plate, universN	1	UT90F
Coupling plate, half, left	1	UT90L
Coupling plate, half, right	1	UT90R



UZ010

Protective conductor connection

Features:

- 20 x 5 mm copper bar with screws for PE fastening between mounting rails
- UZ010 connection points: 3 x M6, 2 x M8
- UZ020 connection points: 10 x M6, 3 x M8

Note:

Observe protective conductor cross-sections (VDE 0660 T500)

Designation	PU	Order no.
Earthing bar, universN, Cu 20 x 5, 1 panel	1	UZ010
Earthing bar, universN, Cu 20 x 5, 2 panels	1	UZ020



UZ009

Earthing conductor with M8 and M6 cable lugs

Features:

- For earthing housings and mounting rails
- Uninsulated, 25 mm² with cable lug
- M8 (earthing stud of the distribution board) and M6 (connection e.g. to UZ010)
- Length 300 mm

Note:

Observe protective conductor cross-sections (VDE 0660 T500)

Designation	PU	Order no.
Earthing conductor, univers, 25 mm ² , 300 mm long	1	UZ009



UZ012

Earthing conductor with M8 cable lug and ferrule

Features:

- For earthing housings and mounting rails
- Uninsulated, 25 mm² with cable lug
- M8 (earthing stud of the cabinet) and ferrule
- Length 560 mm (connection e.g. to UZ010/UZ020 or busbars)

Note:

Observe protective conductor cross-sections (VDE 0660 T500)

Designation	PU	Order no.
Earthing conductor, universN, 25 mm ² , L = 550 mm	1	UZ012

Bracket for retaining rail

Features:

- For mounting the horizontal retaining rail

Designation	PU	Order no.
Retaining rail bracket, 275, PC I, FR	1	FZ800A
Retaining rail bracket, 275, PC II, FR	1	FZ800B
Retaining rail bracket, 400, PC I, FR	1	FZ800C
Retaining rail bracket, 400, PC II, FR	1	FZ800D
Retaining rail bracket, 275, FS	1	FZ800E
Retaining rail bracket, 400, FS	1	FZ800F



FZ800A

Retaining rail, horizontal

Features:

- Order suitable FZ800A – FZ800E bracket as well

Designation	PU	Order no.
Retaining rail 250 mm	1	UT21A
Retaining rail 500 mm	1	UT21B
Retaining rail 750 mm	1	UT21C
Retaining rail 1000 mm	1	UT21D
Retaining rail 1250 mm	1	UT21E
Retaining rail 1500 mm	1	UT21F



UT21A

A4 diagram pocket fixed with adhesive

Material:

Plastic

Features:

- FZ818, for bolting and bonding

Designation	PU	Order no.
Diagram pocket, univers, transparent, A4	10	FZ794
Diagram pocket, univers, plastic, A4	1	FZ818
Diagram pocket, magnetic, A4	30	FZ757M
Diagram pocket, self-adhesive, A4, reinforced	20	FZ757A4
Diagram pocket, self-adhesive, A5, reinforced	30	FZ757A5



FZ794

Paint pen, RAL 7035

Features:

- For touching up paint damage
- Safety data sheets on request (EU regulations 1272)

Designation	PU	Order no.
Paint pen, treated, 12 ml, 7035	1	MES-LSTI7035



MES-LSTI7035

Cleaning agent

Features:

- For plastic surfaces in pump spray bottles
- Safety data sheets on request (EU regulations 1272)

Designation	PU	Order no.
Cleaning agent f. plastic surfaces	1	VZ404



VZ404



FZ448

Closing plate for side pre-stamping

Designation	PU	Order no.
Closing plate, side, univers, sheet metal	1	FZ448



FZ422

Cable entries made of sheet steel for top and bottom, without pre-stamping, protection class I, with IP54 seal

RAL colour number: 7035

Designation	PU	Order no.
Cable entry, univers, IP54	1	FZ422



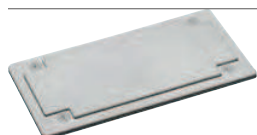
FZ402

Pass-through flange

Features:

- Cable entry options:
- 24 x 9 to 11.5 mm cable diameter
- 12 x 11 to 16 mm cable diameter
- 4 x 12.5 to 20 mm cable diameter
- 2 x 13 to 27.5 mm cable diameter
- 2 x 16 to 32 mm cable diameter
- 1 x 25 to 50 mm cable diameter

Designation	PU	Order no.
Cable entry, univers, universal	5	FZ402



FZ404

Entry flange without pre-stamping

Designation	PU	Order no.
Cable entry, univers, IP54	5	FZ404



FZ406M

Cable entries made of plastic for top and bottom, with pre-stamping, with IP54 seal

Features:

- For 15/13 x M20 or 2 x M25 grommets and threaded joints

Designation	PU	Order no.
Cable entry, univers, metric	5	FZ406M
Cable entry, univers, metric	5	FZ407M
Cable entry, univers, metric	5	FZ408M



FZ413M

Grommet for FZ408M entry flange

Designation	PU	Order no.
Stepped grommet, univers, 1 cable, d = 23 – 55 mm	1	FZ413M



FZ415E

Cable entry flange with two entry grommets, PC I

Features:

- Incl. two entry grommets
- For two cables with diameter 23 – 55 mm
- IP54 degree of protection with attached cable tie
- Flange is secured with six screws
- For the modular standing distribution cabinets, the six holes must be drilled

Designation	PU	Order no.
Cable entry, 2 cables D = 23 – 55 mm, PC I	1	FZ415E
Cable entry, 2 cables D = 23 – 55 mm, PC II	1	FZ415S

Vent cap

Features:

- For installation in FZ408M flange plate
- Reduces degree of protection to IP2X
- Two caps in bag



FZ417

Designation	PU	Order no.
Vent cap, univers, for FT/FA/FG	1	FZ417

Cable entry grommets

Features:

- Can be used in IP54 cable entries with pre-stamping for grommets



FZ409M

Designation	PU	Order no.
25 x cable entry grommet, univers, M20	25	FZ409M
25 x cable entry grommet, univers, M25	25	FZ410M
25 x cable entry grommet, univers, M32	25	FZ411M
25 x cable entry grommet, univers, M40	25	FZ412M

Plastic flange

Features:

- Closing parts for cabinets depth 275 mm + 400 mm
- For closing the bottom cable entries during installation, distribution boards on bases (for compliance with PC II)



FZ435A

Designation	Width	PU	Order no.
Closing plate cable entry	250 mm	1	FZ435A

Locking element

Features:

- For locking the bottom plastic cable entries
- 1 set = 4 elements



FZ421A

Designation	PU	Order no.
Locking elements cable entry	1	FZ421A



FZ631A

Bases, depth 275 mm, height 100, RAL 9005

Designation	PU	Order no.
Base, univers, 100 x 300 x 275	1	FZ631A
Base, univers, 100 x 550 x 275	1	FZ632A
Base, univers, 100 x 800 x 275	1	FZ633A
Base, univers, 100 x 1050 x 275	1	FZ634A
Base, univers, 100 x 1300 x 275	1	FZ635A



FZ651A

Bases, depth 400 mm, height 100, RAL 9005

Designation	PU	Order no.
Base, univers, 100 x 300 x 400	1	FZ651A
Base, univers, 100 x 550 x 400	1	FZ652A
Base, univers, 100 x 800 x 400	1	FZ653A
Base, univers, 100 x 1050 x 400	1	FZ654A
Base, univers, 100 x 1300 x 400	1	FZ655A



FZ641A

Bases, depth 275 mm, height 200, RAL 9005

Designation	PU	Order no.
Base, univers, 200 x 300 x 275	1	FZ641A
Base, univers, 200 x 550 x 275	1	FZ642A
Base, univers, 200 x 800 x 275	1	FZ643A
Base, univers, 200 x 1050 x 275	1	FZ644A
Base, univers, 200 x 1300 x 275	1	FZ645A



FZ661A

Bases, depth 400 mm, height 200, RAL 9005

Designation	PU	Order no.
Base, univers, 200 x 300 x 400	1	FZ661A
Base, univers, 200 x 550 x 400	1	FZ662A
Base, univers, 200 x 800 x 400	1	FZ663A
Base, univers, 200 x 1050 x 400	1	FZ664A
Base, univers, 200 x 1300 x 400	1	FZ665A

Bracket for cable clamping rail in the base

Designation	PU	Order no.
Base rail bracket, 100 mm high	1	FZ801A
Base rail bracket, 200 mm high	1	FZ801B



FZ801A

Cable clamping rail for bases

Height of installed product: 30 mm

Designation	PU	Order no.
Cable clamping rail, univers, 1 panel	1	FZ7801
Cable clamping rail, univers, 2 panels	1	FZ7811
Cable clamping rail, univers, 3 panels	1	FZ7821
Cable clamping rail, univers, 4 panels	1	FZ8441
Cable clamping rail, univers, 5 panels	1	FZ8451
Cable clamping rail, univers, 6 panels	1	FZ8461



FZ7801

Hinge pin

Features:

- Hinge pin as spare part for univers FR distribution cabinets

Designation	PU	Order no.
10 x spare hinge pins	10	FZ797A



FZ797A

Contact protection cover

RAL colour number: 9010

Features:

- For extending the lateral circumferential contact protection

Designation	PU	Order no.
Extension of contact protection/univers	1	FZ851



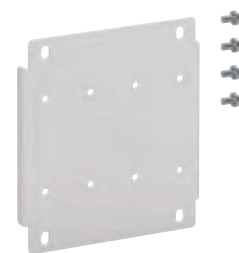
FZ851

Door wiring profiles

Features:

- For attaching wiring ducts

Designation	PU	Order no.
Door wiring profile, 250 mm door	1	FZ739A
Door wiring profile, 500 mm door	1	FZ739B
Door wiring profile, 750 mm door	1	FZ739C



FZ739A

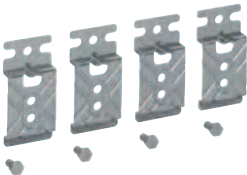


M8 ring bolt

- Features:
- For lifting cabinets
 - Set = 4 bolts

FZ831

Designation	PU	Order no.
Lifting eyebolts for FR/FS cabinets	1	FZ831



Wall-mounting brackets, spare parts

- Features:
- Set = 4 brackets

FZ829

Designation	PU	Order no.
Wall-mounting brackets	1	FZ829

Head and base section, spare parts

Designation	PU	Order no.
Head/base section 275 mm, FR cabinets	1	FZ230A
Head/base section 400 mm, FR cabinets	1	FZ230B



FZ230A

Doors, spare parts

Designation	PU	Order no.
Door, univers, for FR31* cabinets, IP55, 500 x 300 mm	1	FZ031R
Door, univers, for FR32* cabinets, IP55, 500 x 550 mm	1	FZ032R
Door, univers, for FR33* cabinets, IP55, 500 x 800 mm	1	FZ033R
Door, univers, for FR34* cabinets, IP55, 500 x 1050 mm	1	FZ034R
Door, univers, for FR35* cabinets, IP55, 500 x 1300 mm	1	FZ035R
Door, univers, for FR41* cabinets, IP55, 650 x 300 mm	1	FZ041R
Door, univers, for FR42* cabinets, IP55, 650 x 550 mm	1	FZ042R
Door, univers, for FR43* cabinets, IP55, 650 x 800 mm	1	FZ043R
Door, univers, for FR44* cabinets, IP55, 650 x 1050 mm	1	FZ044R
Door, univers, for FR45* cabinets, IP55, 650 x 1300 mm	1	FZ045R
Door, univers, for FR51* cabinets, IP55, 800 x 300 mm	1	FZ051R
Door, univers, for FR52* cabinets, IP55, 800 x 550 mm	1	FZ052R
Door, univers, for FR53* cabinets, IP55, 800 x 800 mm	1	FZ053R
Door, univers, for FR54* cabinets, IP55, 800 x 1050 mm	1	FZ054R
Door, univers, for FR55* cabinets, IP55, 800 x 1300 mm	1	FZ055R
Door, univers, for FR61* cabinets, IP55, 950 x 300 mm	1	FZ061R
Door, univers, for FR62* cabinets, IP55, 950 x 550 mm	1	FZ062R
Door, univers, for FR63* cabinets, IP55, 950 x 800 mm	1	FZ063R
Door, univers, for FR64* cabinets, IP55, 950 x 1050 mm	1	FZ064R
Door, univers, for FR65* cabinets, IP55, 950 x 1300 mm	1	FZ065R
Door, univers, for FR71* cabinets, IP55, 1100 x 300 mm	1	FZ071R
Door, univers, for FR72* cabinets, IP55, 1100 x 550 mm	1	FZ072R
Door, univers, for FR73* cabinets, IP55, 1100 x 800 mm	1	FZ073R
Door, univers, for FR74* cabinets, IP55, 1100 x 1050 mm	1	FZ074R
Door, univers, for FR75* cabinets, IP55, 1100 x 1300 mm	1	FZ075R
Door, univers, for FR81* cabinets, IP55, 1250 x 300 mm	1	FZ081R
Door, univers, for FR82* cabinets, IP55, 1250 x 550 mm	1	FZ082R
Door, univers, for FR83* cabinets, IP55, 1250 x 800 mm	1	FZ083R
Door, univers, for FR84* cabinets, IP55, 1250 x 1050 mm	1	FZ084R
Door, univers, for FR85* cabinets, IP55, 1250 x 1300 mm	1	FZ085R
Door, univers, for FR91* cabinets, IP55, 1400 x 300 mm	1	FZ091R
Door, univers, for FR92* cabinets, IP55, 1400 x 550 mm	1	FZ092R
Door, univers, for FR93* cabinets, IP55, 1400 x 800 mm	1	FZ093R
Door, univers, for FR94* cabinets, IP55, 1400 x 1050 mm	1	FZ094R



FZ031R

- For devices up to 800 A
- Indoor installation
- Depth 275 mm
- Colour: RAL 7035 (Light grey)
- With base
- Sheet steel or transparent door
- Standards : DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3

Note:

- FZ402 cable entries at top, bottom open
- To ensure compliance with the IP55 degree of protection and protection class II, entry flanges must be inserted at the bottom

Protection class II, cabinet height 1700 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1800 mm	300 mm	275 mm	IP55 1	FR11S1
1800 mm	550 mm	275 mm	IP55 1	FR12S1
1800 mm	800 mm	275 mm	IP55 1	FR13S1
1800 mm	1050 mm	275 mm	IP55 1	FR14S1
1800 mm	1300 mm	275 mm	IP55 1	FR15S1



FR13S1

Protection class II, cabinet height 1700 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
1900 mm	300 mm	275 mm	IP55 1	FR11S2
1900 mm	550 mm	275 mm	IP55 1	FR12S2
1900 mm	800 mm	275 mm	IP55 1	FR13S2
1900 mm	1050 mm	275 mm	IP55 1	FR14S2
1900 mm	1300 mm	275 mm	IP55 1	FR15S2



FR13S2

Protection class I, cabinet height 1700 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1800 mm	300 mm	275 mm	IP55 1	FR11E1
1800 mm	550 mm	275 mm	IP55 1	FR12E1
1800 mm	800 mm	275 mm	IP55 1	FR13E1
1800 mm	1050 mm	275 mm	IP55 1	FR14E1
1800 mm	1300 mm	275 mm	IP55 1	FR15E1



FR13E1

Protection class I, cabinet height 1700 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
1900 mm	300 mm	275 mm	IP55 1	FR11E2
1900 mm	550 mm	275 mm	IP55 1	FR12E2
1900 mm	800 mm	275 mm	IP55 1	FR13E2
1900 mm	1050 mm	275 mm	IP55 1	FR14E2
1900 mm	1300 mm	275 mm	IP55 1	FR15E2



FR13E2



FR22S1

Protection class II, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	300 mm	275 mm	IP55 1	FR21S1
1950 mm	550 mm	275 mm	IP55 1	FR22S1
1950 mm	800 mm	275 mm	IP55 1	FR23S1
1950 mm	1050 mm	275 mm	IP55 1	FR24S1
1950 mm	1300 mm	275 mm	IP55 1	FR25S1
1950 mm	1550 mm	275 mm	IP55 1	FR26S1



FR22S2

Protection class II, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	300 mm	275 mm	IP55 1	FR21S2
2050 mm	550 mm	275 mm	IP55 1	FR22S2
2050 mm	800 mm	275 mm	IP55 1	FR23S2
2050 mm	1050 mm	275 mm	IP55 1	FR24S2
2050 mm	1300 mm	275 mm	IP55 1	FR25S2
2050 mm	1550 mm	275 mm	IP55 1	FR26S2



FR22L1

Protection class II, with transparent door, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	550 mm	275 mm	IP55 1	FR22L1
1950 mm	800 mm	275 mm	IP55 1	FR23L1
1950 mm	1050 mm	275 mm	IP55 1	FR24L1
1950 mm	1300 mm	275 mm	IP55 1	FR25L1
1950 mm	1550 mm	275 mm	IP55 1	FR26L1



FR22L2

Protection class II, with transparent door, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	550 mm	275 mm	IP55 1	FR22L2
2050 mm	800 mm	275 mm	IP55 1	FR23L2
2050 mm	1050 mm	275 mm	IP55 1	FR24L2
2050 mm	1300 mm	275 mm	IP55 1	FR25L2
2050 mm	1550 mm	275 mm	IP55 1	FR26L2

Protection class I, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	300 mm	275 mm	IP55 1	FR21E1
1950 mm	550 mm	275 mm	IP55 1	FR22E1
1950 mm	800 mm	275 mm	IP55 1	FR23E1
1950 mm	1050 mm	275 mm	IP55 1	FR24E1
1950 mm	1300 mm	275 mm	IP55 1	FR25E1
1950 mm	1550 mm	275 mm	IP55 1	FR26E1



FR22E1

Protection class I, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	300 mm	275 mm	IP55 1	FR21E2
2050 mm	550 mm	275 mm	IP55 1	FR22E2
2050 mm	800 mm	275 mm	IP55 1	FR23E2
2050 mm	1050 mm	275 mm	IP55 1	FR24E2
2050 mm	1300 mm	275 mm	IP55 1	FR25E2
2050 mm	1550 mm	275 mm	IP55 1	FR26E2



FR22E2

Protection class I, with transparent door, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	550 mm	275 mm	IP55 1	FR22K1
1950 mm	800 mm	275 mm	IP55 1	FR23K1
1950 mm	1050 mm	275 mm	IP55 1	FR24K1
1950 mm	1300 mm	275 mm	IP55 1	FR25K1
1950 mm	1550 mm	275 mm	IP55 1	FR26K1



FR22K1

Protection class I, with transparent door, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	550 mm	275 mm	IP55 1	FR22K2
2050 mm	800 mm	275 mm	IP55 1	FR23K2
2050 mm	1050 mm	275 mm	IP55 1	FR24K2
2050 mm	1300 mm	275 mm	IP55 1	FR25K2
2050 mm	1550 mm	275 mm	IP55 1	FR26K2



FR22K2

- For devices up to 800 A
- Indoor installation
- Depth 400 mm
- Colour: RAL 7035 (Light grey)

- With base
- Sheet steel or transparent door
- Standards : DIN VDE 0660 part 600-1, -2, -3; EN 61439-1, -2, -3

Note:

- FZ402 cable entries at top, bottom open
- To ensure compliance with the IP54 degree of protection and protection class II, entry flanges must be inserted at the bottom



FR21H1

Protection class II, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	300 mm	400 mm	IP55 1	FR21H1
1950 mm	550 mm	400 mm	IP55 1	FR22H1
1950 mm	800 mm	400 mm	IP55 1	FR23H1
1950 mm	1050 mm	400 mm	IP55 1	FR24H1
1950 mm	1300 mm	400 mm	IP55 1	FR25H1
1950 mm	1550 mm	400 mm	IP55 1	FR26H1



FR21H2

Protection class II, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	300 mm	400 mm	IP55 1	FR21H2
2050 mm	550 mm	400 mm	IP55 1	FR22H2
2050 mm	800 mm	400 mm	IP55 1	FR23H2
2050 mm	1050 mm	400 mm	IP55 1	FR24H2
2050 mm	1300 mm	400 mm	IP55 1	FR25H2
2050 mm	1550 mm	400 mm	IP55 1	FR26H2



FR22U1

Protection class II, with transparent door, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU	Order no.
1950 mm	550 mm	400 mm	IP55 1	FR22U1
1950 mm	800 mm	400 mm	IP55 1	FR23U1
1950 mm	1050 mm	400 mm	IP55 1	FR24U1
1950 mm	1300 mm	400 mm	IP55 1	FR25U1
1950 mm	1550 mm	400 mm	IP55 1	FR26U1



FR22U2

Protection class II, with transparent door, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU	Order no.
2050 mm	550 mm	400 mm	IP55 1	FR22U2
2050 mm	800 mm	400 mm	IP55 1	FR23U2
2050 mm	1050 mm	400 mm	IP55 1	FR24U2
2050 mm	1300 mm	400 mm	IP55 1	FR25U2
2050 mm	1550 mm	400 mm	IP55 1	FR26U2

Protection class I, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU		Order no.
1950 mm	300 mm	400 mm	IP55	1	FR21G1
1950 mm	550 mm	400 mm	IP55	1	FR22G1
1950 mm	800 mm	400 mm	IP55	1	FR23G1
1950 mm	1050 mm	400 mm	IP55	1	FR24G1
1950 mm	1300 mm	400 mm	IP55	1	FR25G1
1950 mm	1550 mm	400 mm	IP55	1	FR26G1



FR26G1

Protection class I, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU		Order no.
2050 mm	300 mm	400 mm	IP55	1	FR21G2
2050 mm	550 mm	400 mm	IP55	1	FR22G2
2050 mm	800 mm	400 mm	IP55	1	FR23G2
2050 mm	1050 mm	400 mm	IP55	1	FR24G2
2050 mm	1300 mm	400 mm	IP55	1	FR25G2
2050 mm	1550 mm	400 mm	IP55	1	FR26G2



FR21G2

Protection class I, with transparent door, cabinet height 1850 mm plus base 100 mm

Height	Width	Depth	Degree of protection PU		Order no.
1950 mm	550 mm	400 mm	IP55	1	FR22V1
1950 mm	800 mm	400 mm	IP55	1	FR23V1
1950 mm	1050 mm	400 mm	IP55	1	FR24V1
1950 mm	1300 mm	400 mm	IP55	1	FR25V1
1950 mm	1550 mm	400 mm	IP55	1	FR26V1



FR22V1

Protection class I, with transparent door, cabinet height 1850 mm plus base 200 mm

Height	Width	Depth	Degree of protection PU		Order no.
2050 mm	550 mm	400 mm	IP55	1	FR22V2
2050 mm	800 mm	400 mm	IP55	1	FR23V2
2050 mm	1050 mm	400 mm	IP55	1	FR24V2
2050 mm	1300 mm	400 mm	IP55	1	FR25V2
2050 mm	1550 mm	400 mm	IP55	1	FR26V2



FR22V2



UZ21MP

Support plate**Features:**

- Sheet steel, galvanised
- Can be used without mounting rails
- Incl. fixing material

Designation	PU	Order no.
Support plate, univers, 1800 x 250 mm (H x W)	1	UZ21MP
Support plate, univers, 1800 x 500 mm (H x W)	1	UZ22MP
Support plate, univers, 1800 x 750 mm (H x W)	1	UZ23MP
Support plate, univers, 1800 x 1000 mm (H x W)	1	UZ24MP
Support plate, univers, 1800 x 1250 mm (H x W)	1	UZ25MP



FZ353

Cable duct for wall-mounting

RAL colour number: 7035

Features:

- Suitable for all cabinets with installation depths 160, 205, 275 and 400 mm
- Duct depth 150 mm or 180 mm by rotating 90°

Designation	PU	Order no.
Cable duct, 1 panel, RAL 7035	1	FZ351
Cable duct, 2 panels, RAL 7035	1	FZ352
Cable duct, 3 panels, RAL 7035	1	FZ353
Cable duct, 4 panels, RAL 7035	1	FZ354
Cable duct, 5 panels, RAL 7035	1	FZ355



FZ530

T-handles**Features:**

- FZ531 lockable, locking number 1333

Designation	PU	Order no.
Closure, univers, T-handle	1	FZ530
Closure, univers, T-handle	1	FZ531
Spare key, univers, f. FZ531 + FZ533	1	FZ539



FZ532

L-handles**Features:**

- FZ531 lockable, locking number 1333

Designation	PU	Order no.
Closure, univers, L-handle	1	FZ532
Closure, univers, L-handle	1	FZ533
Spare key, univers, f. FZ531 + FZ533	1	FZ539



FZ537

Pivoted handle**Features:**

- 40 mm profile half cylinder installable
- Including patent fastener

Designation	PU	Order no.
Pivoted lever for FR/FG cabinets	1	FZ537

Profile half cylinder for FZ537

Designation	PU	Order no.
1242E profile cylinder	1	FZ506
405 profile cylinder	1	FZ519
455 profile cylinder	1	FZ520

Connection kit for two adjacent cabinets, depth 275/400 mm

Designation	PU	Order no.
Connector side, 275 mm cabinets	1	FZ721A
Connector side, 400 mm cabinets	1	FZ721B



FZ721A

Connection kits for two bases above one another

Features:

- For all widths
- Two 200 mm bases arranged vertically

Designation	PU	Order no.
Connection kit, univers, f. bases	1	FZ714



FZ714

Mounting rails

Features:

- 1 panel
- 1 set = 2 rails

Designation	PU	Order no.
2 mounting rails, universN, length 300 mm	1	UN02A
2 mounting rails, universN, length 450 mm	1	UN03A
2 mounting rails, universN, length 600 mm	1	UN04A
2 mounting rails, universN, length 750 mm	1	UN05A
2 mounting rails, universN, length 900 mm	1	UN06A
2 mounting rails, universN, length 1050 mm	1	UN07A
2 mounting rails, universN, length 1200 mm	1	UN08A
2 mounting rails, universN, length 1350 mm	1	UN09A
2 mounting rails, universN, length 1500 mm	1	UN10A
2 mounting rails, universN, length 1650 mm	1	UN11A
2 mounting rails, universN, length 1800 mm	1	UN12A



UN03A

Earth connecting bracket

Features:

- For conductive connection between two UN...A mounting rails
- To increase mechanical strength of mounting rails
- Incl. fixing material

Designation	PU	Order no.
Connecting bracket, univers N (x 10)	1	UZ00VL



UZ00VL

Mounting rail connection kit

Designation	PU	Order no.
Connector kit (x 10) U-plates	1	UT12HSV



UT12HSV

Connectors

Features:

- For connecting two mounting rails

Designation	PU	Order no.
Mounting rail connector, universN (x 2)	1	UT12L



UT12L



UT90G

Mounting rail bracket**Features:**

- UT90G: For attaching mounting rails at different levels (order two per mounting rail)
- UT90J: For attaching two mounting rails at the same level

Designation	PU	Order no.
Mounting rail attachment, universN, single	20	UT90G
Mounting rail attachment, universN, double	10	UT90J



UT12PN

Crossbar**Features:**

- To intersect the vertical mounting rails inside the cabinet

Designation	Width	PU	Order no.
Crossbar, universN, 2 panels	500 mm	1	UT12PN
Crossbar, universN, 3 panels	750 mm	1	UT12QN



UT90F

Coupling plates**UT90F features:**

- For supporting two vertical, cut-to-length mounting rails
- Mounted on the retaining rails or U-rails

UT90L/R features:

- For using modules with support plates

Designation	PU	Order no.
Coupling plate, universN	1	UT90F
Coupling plate, half, left	1	UT90L
Coupling plate, half, right	1	UT90R



UZ009

Earthing conductor with M8 and M6 cable lugs**Features:**

- For earthing housings and mounting rails
- Uninsulated, 25 mm² with cable lug
- M8 (earthing stud of the distribution board) and M6 (connection e.g. to UZ010)
- Length 300 mm

Note:

Observe protective conductor cross-sections (VDE 0660 T500)

Designation	PU	Order no.
Earthing conductor, univers, 25 mm ² , 300 mm long	1	UZ009



UZ012

Earthing conductor with M8 cable lug and ferrule**Features:**

- For earthing housings and mounting rails
- Uninsulated, 25 mm² with cable lug
- M8 (earthing stud of the cabinet) and ferrule
- Length 560 mm (connection e.g. to UZ010/UZ020 or busbars)

Note:

Observe protective conductor cross-sections (VDE 0660 T500)

Designation	PU	Order no.
Earthing conductor, universN, 25 mm ² , L = 550 mm	1	UZ012

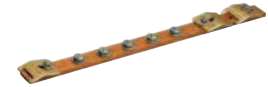
Protective conductor connection

Features:

- 20 x 5 mm copper bar with screws for PE fastening between mounting rails
- UZ010 connection points: 3 x M6, 2 x M8
- UZ020 connection points: 10 x M6, 3 x M8

Note:

Observe protective conductor cross-sections (VDE 0660 T500)



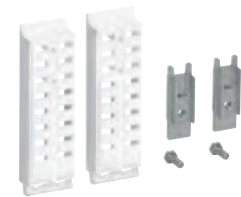
UZ010

Designation	PU	Order no.
Earthing bar, universN, Cu 20 x 5, 1 panel	1	UZ010
Earthing bar, universN, Cu 20 x 5, 2 panels	1	UZ020

Bracket for retaining rail

Features:

- For mounting the horizontal retaining rail



FZ800A

Designation	PU	Order no.
Retaining rail bracket, 275, PC I, FR	1	FZ800A
Retaining rail bracket, 275, PC II, FR	1	FZ800B
Retaining rail bracket, 400, PC I, FR	1	FZ800C
Retaining rail bracket, 400, PC II, FR	1	FZ800D
Retaining rail bracket, 275, FS	1	FZ800E

Retaining rail, horizontal

Features:

- Order suitable FZ800A – FZ800E bracket as well



UT21A

Designation	PU	Order no.
Retaining rail 250 mm	1	UT21A
Retaining rail 500 mm	1	UT21B
Retaining rail 750 mm	1	UT21C
Retaining rail 1000 mm	1	UT21D
Retaining rail 1250 mm	1	UT21E
Retaining rail 1500 mm	1	UT21F

Contact protection covers

RAL colour number: 9010

Features:

- For extending the lateral circumferential contact protection



FZ851

Designation	PU	Order no.
Extension of contact protection/univers	1	FZ851

Head and base section, spare parts

Material: PC



FZ230A

Designation	PU	Order no.
Head/base section 275 mm, FR cabinets	1	FZ230A
Head/base section 400 mm, FR cabinets	1	FZ230B



FZ794

A4 diagram pocket fixed with adhesive

Material: Plastic

Designation	PU	Order no.
Diagram pocket, univers, transparent, A4	10	FZ794
Diagram pocket, univers, plastic, A4	1	FZ818
Diagram pocket, magnetic, A4	30	FZ757M
Diagram pocket, self-adhesive, A4, reinforced	20	FZ757A4
Diagram pocket, self-adhesive, A5, reinforced	30	FZ757A5

Paint pen, RAL 7035**Features:**

- For touching up paint damage

Designation	PU	Order no.
Paint pen, treated, 12 ml, 7035	1	MES-LSTI7035



FZ797A

Hinge pin, spare parts

Designation	PU	Order no.
10 x spare hinge pins	10	FZ797A



VZ404

Cleaning agent**Features:**

- For plastic surfaces in pump spray bottles

Designation	PU	Order no.
Cleaning agent f. plastic surfaces	1	VZ404

Closing plate for side pre-stamping

Designation	PU	Order no.
Closing plate, side, univers, sheet metal	1	FZ448



FZ422

Cable entries made of sheet steel for top and bottom, without pre-stamping, protection class I, with IP55 seal

RAL colour number: 7035

Designation	PU	Order no.
Cable entry, univers, IP54	1	FZ422



FZ402

Pass-through flange**Features:**

- Cable entry options:
- 24 x 9 to 11.5 mm cable diameter
- 12 x 11 to 16 mm cable diameter
- 4 x 12.5 to 20 mm cable diameter
- 2 x 13 to 27.5 mm cable diameter
- 2 x 16 to 32 mm cable diameter
- 1 x 25 to 50 mm cable diameter

Designation	PU	Order no.
Cable entry, univers, universal	5	FZ402

Entry flange without pre-stamping

Designation	PU	Order no.
Cable entry, univers, IP54	5	FZ404



FZ404

Entry flange with 15/13 x M20 or 2 x M25 pre-stamped

Features:

- For 15/13 x M20 or 2 x M25 grommets and threaded joints

Designation	PU	Order no.
Cable entry, univers, metric	5	FZ406M



FZ406M

Entry flange with 8/6 x M25 or 2 x M32 pre-stamped

Features:

- For 8/6 x M25 or 2 x M32 grommets and threaded joints

Designation	PU	Order no.
Cable entry, univers, metric	5	FZ407M



FZ407M

Entry flange with 2 x M25/32, 1 x M50/63 or FZ413, FZ414, FZ415 cable entries pre-stamped

Features:

- For 2 x M25/32 grommets and threaded joint, 1 x M50/63 pre-stamped for FZ413, FZ414, FZ415 cable entries

Designation	PU	Order no.
Cable entry, univers, metric	5	FZ408M



FZ408M

Grommet for FZ408M entry flange

Designation	PU	Order no.
Stepped grommet, univers, 1 cable, d = 23 – 55 mm	1	FZ413M



FZ413M

Cable entry flange with two entry grommets, PC I

Features:

- Incl. two entry grommets
- For two cables with diameter 23 – 55 mm
- IP54 degree of protection with attached cable tie
- Flange is secured with six screws
- For the modular standing distribution cabinets, the six holes must be drilled

Designation	PU	Order no.
Cable entry, 2 cables D = 23 – 55 mm, PC I	1	FZ415E
Cable entry, 2 cables D = 23 – 55 mm, PC II	1	FZ415S



FZ415E

Cable entry flange with two entry grommets

Features:

- Incl. two entry grommets
- For two cables with diameter 30 – 72 mm
- IP54 degree of protection with attached cable tie
- Flange is secured with six screws
- For the modular standing distribution cabinets, the six holes must be drilled

Designation	PU	Order no.
Cable entry, univers, 2 cables D= 30 – 72 mm	1	FZ415N



FZ415N



FZ417

Vent cap**Features:**

- For installation in FZ408M flange plate
- Reduces degree of protection to IP2X

Designation	PU	Order no.
Vent cap, univers, for FT/FA/FG	1	FZ417



FZ409M

Cable entry grommets**Features:**

- Can be used in IP55 cable entries with pre-stamping for grommets

Designation	PU	Order no.
25 x cable entry grommet, univers, M20	25	FZ409M
25 x cable entry grommet, univers, M25	25	FZ410M
25 x cable entry grommet, univers, M32	25	FZ411M
25 x cable entry grommet, univers, M40	25	FZ412M



FZ435A

Plastic flange**Features:**

- Closing parts for cabinets depth 275 mm + 400 mm
- For closing the bottom cable entries during installation, distribution boards on bases (for compliance with PC II)

Designation	Width	PU	Order no.
Closing plate cable entry	250 mm	1	FZ435A



FZ421A

Locking element**Features:**

- For locking the bottom plastic cable entries (IP55)
- 1 set = 2 elements

Designation	PU	Order no.
Locking elements cable entry	1	FZ421A

Bases, depth 275 mm, height 100 mm, RAL 9005

Designation	PU	Order no.
Base, univers, 100 x 300 x 275	1	FZ631A
Base, univers, 100 x 550 x 275	1	FZ632A
Base, univers, 100 x 800 x 275	1	FZ633A
Base, univers, 100 x 1050 x 275	1	FZ634A
Base, univers, 100 x 1300 x 275	1	FZ635A
Base, univers, 100 x 1550 x 275	1	FZ636A



FZ631A

Bases, depth 275 mm, height 200 mm, RAL 9005

Designation	PU	Order no.
Base, univers, 200 x 300 x 275	1	FZ641A
Base, univers, 200 x 550 x 275	1	FZ642A
Base, univers, 200 x 800 x 275	1	FZ643A
Base, univers, 200 x 1050 x 275	1	FZ644A
Base, univers, 200 x 1300 x 275	1	FZ645A
Base, univers, 200 x 1550 x 275	1	FZ646A



FZ641A

Bases, depth 400 mm, height 100 mm, RAL 9005

Features:

- For 400 mm cabinets

Designation	PU	Order no.
Base, univers, 100 x 300 x 400	1	FZ651A
Base, univers, 100 x 550 x 400	1	FZ652A
Base, univers, 100 x 800 x 400	1	FZ653A
Base, univers, 100 x 1050 x 400	1	FZ654A
Base, univers, 100 x 1300 x 400	1	FZ655A
Base, univers, 100 x 1550 x 400	1	FZ656A



FZ651A

Bases, depth 400 mm, height 200 mm, RAL 9005

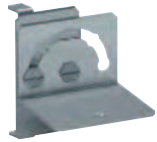
Features:

- For 400 mm cabinets

Designation	PU	Order no.
Base, univers, 200 x 300 x 400	1	FZ661A
Base, univers, 200 x 550 x 400	1	FZ662A
Base, univers, 200 x 800 x 400	1	FZ663A
Base, univers, 200 x 1050 x 400	1	FZ664A
Base, univers, 200 x 1300 x 400	1	FZ665A
Base, univers, 200 x 1550 x 400	1	FZ666A



FZ661A



FZ801A

Bracket for cable clamping rail in the base

Designation	PU	Order no.
Base rail bracket, 100 mm high	1	FZ801A
Base rail bracket, 200 mm high	1	FZ801B



FZ7801

Cable clamping rail for bases**Features:**

- Order suitable FZ801 or FZ801B bracket as well

Designation	PU	Order no.
Cable clamping rail, univers, 1 panel	1	FZ7801
Cable clamping rail, univers, 2 panels	1	FZ7811
Cable clamping rail, univers, 3 panels	1	FZ7821
Cable clamping rail, univers, 4 panels	1	FZ8441
Cable clamping rail, univers, 5 panels	1	FZ8451
Cable clamping rail, univers, 6 panels	1	FZ8461



FZ739A

Door wiring profiles**Features:**

- For attaching wiring ducts

Designation	PU	Order no.
Door wiring profile, 250 mm door	1	FZ739A
Door wiring profile, 500 mm door	1	FZ739B
Door wiring profile, 750 mm door	1	FZ739C

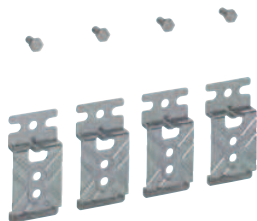


FZ831

M8 ring bolt**Features:**

- For lifting cabinets
- Set = 4 bolts

Designation	PU	Order no.
Lifting eyebolts for FR/FS cabinets	1	FZ831



FZ829

Wall-mounting brackets, spare parts**Features:**

- Set = 4 brackets

Designation	PU	Order no.
Wall-mounting brackets	1	FZ829

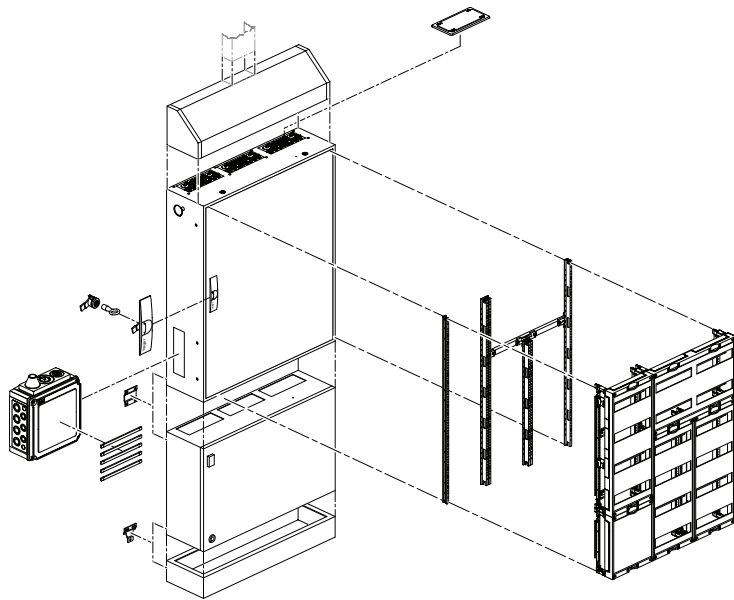
Spare doors, contains both the left and right door for double doors

Height	Width	PU	Order no.
1500 mm	250 mm	1	FZ001R
1500 mm	500 mm	1	FZ002R
1500 mm	750 mm	1	FZ003R
1500 mm	1000 mm	1	FZ004R
1500 mm	1250 mm	1	FZ005R
1650 mm	250 mm	1	FZ011R
1650 mm	500 mm	1	FZ012R
1650 mm	750 mm	1	FZ013R
1650 mm	1000 mm	1	FZ014R
1650 mm	1250 mm	1	FZ015R
1800 mm	250 mm	1	FZ021R
1800 mm	500 mm	1	FZ022R
1800 mm	750 mm	1	FZ023R
1800 mm	1000 mm	1	FZ024R
1800 mm	1250 mm	1	FZ025R

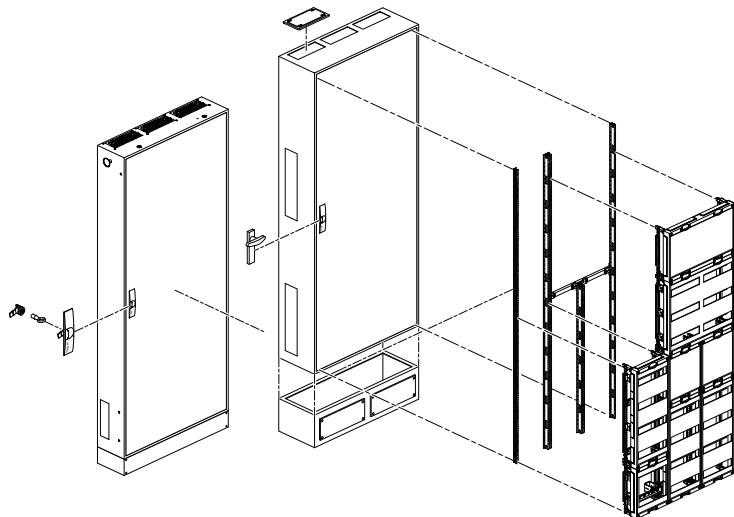


FZ025R

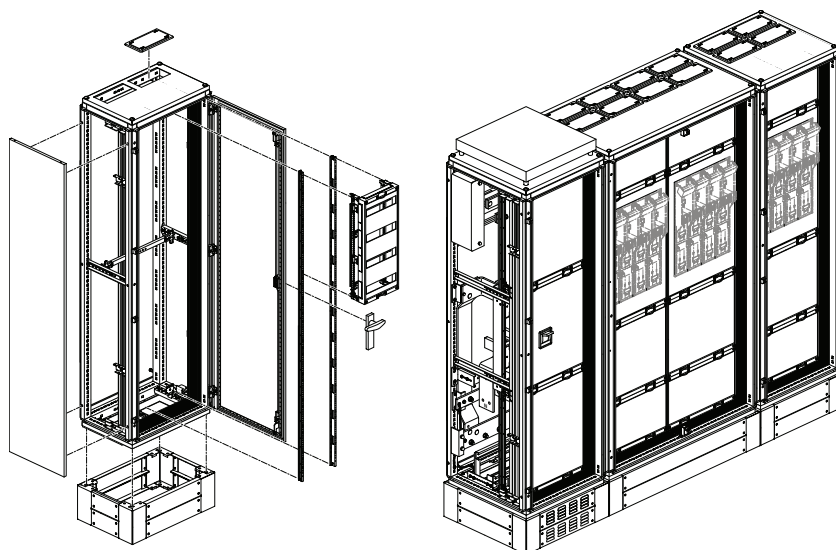
Wall cabinets



Free-standing cabinets



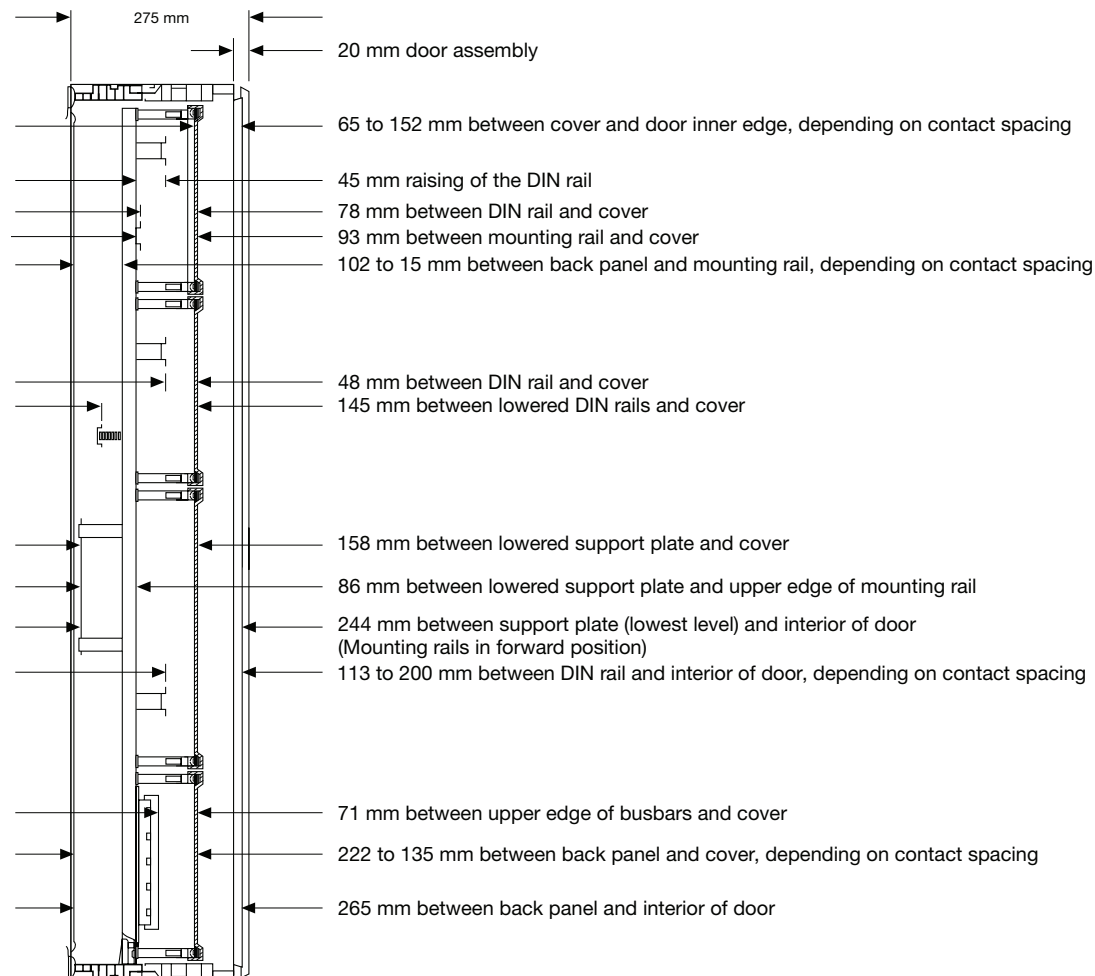
Modular free-standing cabinets



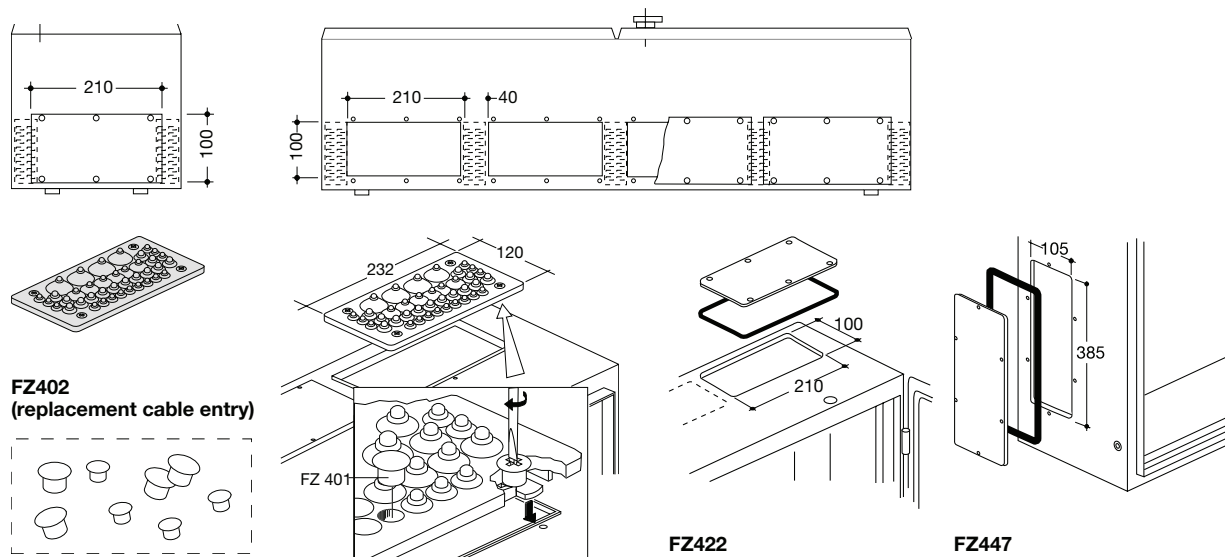
IP 54 wall cabinet, depth 275 mm – dimensions for univers N interior system

- Measured with mounting rail in front and rear position

The mounting rails can be installed with a contact spacing of 12.5 mm in seven different depths.



Cable entry



IP55 free-standing cabinets, depth 275 mm and 400 mm

- Protection class I earthed and II double insulated, IP55 degree of protection
- Height 1700/1850 mm, tower housing + base
- Width: Two to six panels
- Depth 275 mm and 350 mm
- 144 – 864 space units
- Colour: RAL 7035 (Light grey)
- For fixed indoor installation

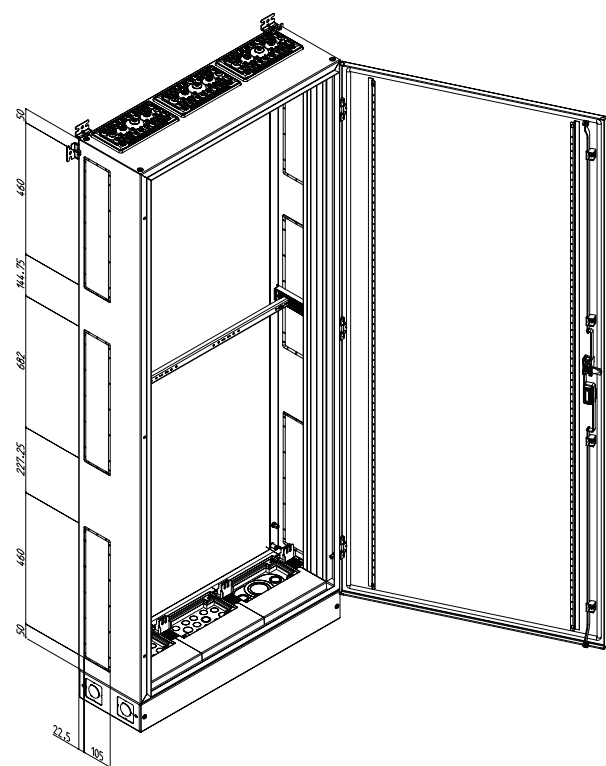
Interior system installable for network types:

- 3 AC, 50 Hz, 230/400 V
- 3 AC, 50 Hz, 400/690 V

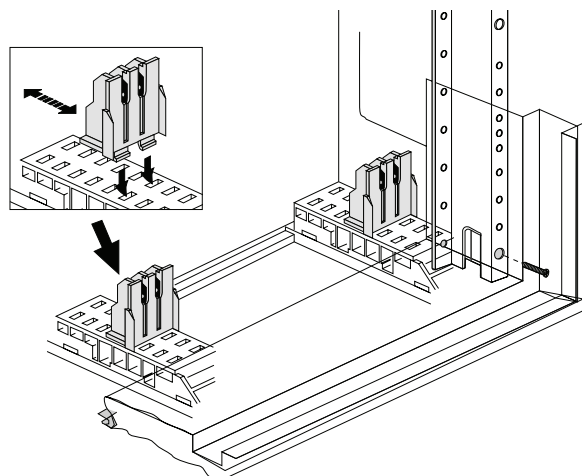
With a maximum feed current of 800 A

Caution**Depth 400 mm:**

Mounting rail attachment normally installed in position 3 or 4. If the mounting rails are positioned lower, use accessory components – contact protection extension, **FZ851** on the side.

**Fastening of the mounting rails**

IP55 wall and free-standing cabinets, depth 275/400 mm



Comprising:

Body

- 1.5 mm galvanised sheet steel, powder-coated and enamelled
- Pre-stamping on both sides for busbar bushing in bottom, top and middle section
- Parallel flange-mounting possible
- Horizontal retaining rail installed once in cabinet, without coupling plates
- 100 mm and 200 mm base included and installed.

Door

- 1.5 mm sheet steel, powder-coated and enamelled
- Flush with interior hinges, can be hinged on right or left
- Circumferential temperature and oil-resistant foamed seal
- Door opening angle 162°
- Above width of 1050 mm, double door

Door lock

- Three-point rod lock fitted as standard with pivoted handle and key plate
- Prepared for DIN profile half cylinder, can be exchanged with other closures

Cable entries per field as standard:

- Upper universal two-component cable entry, can be replaced with all entry flanges for IP54 cabinets
- Open at bottom, entry flanges not necessary when using a base; however, use them to ensure compliance with IP54 degree of protection

Universal cable entries for IP54 cabinets

Entry options

Number of cables	Cable diameter (mm)	Cable cross-sections from – to (mm²)		
		NYM	NYJ	H07RN-F
24	9–11.5	3 x 1.5 – 5 x 1.5	1 x 4 – 1 x 16	–
12	11–16	3 x 2.5 – 5 x 4	1 x 16 – 3 x 6	–
4	12.5–20	3 x 4 – 5 x 10	3 x 2.5 – 5 x 6	–
2	13–27.5	3 x 4 – 4 x 25	3 x 2.5 – 4 x 25	–
2	16–32	3 x 6 – 4 x 35	3 x 6 – 4 x 50	–
1	25–50	4 x 25 – 5 x 25	3 x 25 – 3 x 240	1 x 120 – 4 x 70

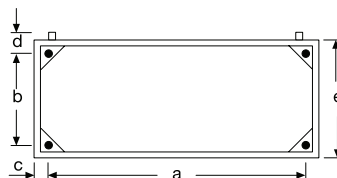
Standards and regulations

- Tested in accordance with VDE 0660, part 500
- Dimensions in accordance with DIN 43870
- IP54 degree of protection in accordance with VDE 0470, part 1 (DIN EN 60529)
- IP3X degree of protection with open door
- Clearance and creepage distance in accordance with VDE 0110, part 1 and 2/1.89
- Rated insulation voltage 800 V AC
- Overvoltage category III/IV
- Degree of contamination 3
- Insulation class II

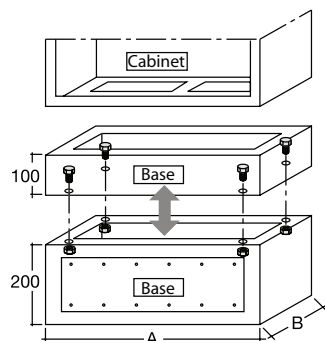
General description

- 100 mm or 200 mm high
- Installed underneath wall cabinets or free-standing cabinets
- Cable clamping rail can be installed
- Open at top and bottom
- Body of powder-coated, enamelled 1.5 mm sheet steel
- Removable panel for:
100 mm base for cabinets up to 218 mm depth, 200 mm base for all cabinets, except for modular cabinets

Installation dimensions for IP44/IP54 cabinet bases, Depth 205 mm



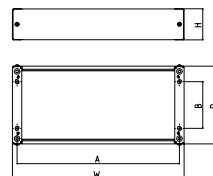
Base for IP44 and IP54 cabinets, vertical connection of IP44 and IP54 cabinets



Connection

a	b	c	d	e	Panels				Height
					2	3	4	5	
446	94	52	62	205	x				100
446	94	52	62	205	x				200
696	94	52	62	205		x			100
696	94	52	62	205		x			200
946	94	52	62	205			x		100
946	94	52	62	205			x		200
1196	94	52	62	205				x	100
1196	94	52	62	205				x	200

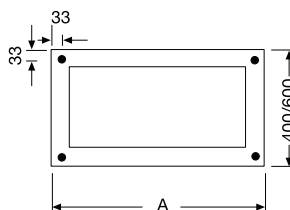
Installation dimensions for IP55 wall cabinet bases and free-standing cabinets 275 mm and 400 mm



Width	Depth	Height	A	B
302	275	100	272	150
552	275	100	522	150
802	275	100	772	150
1052	275	100	1022	150
1302	275	100	1272	150
1552	275	100	1522	150
302	400	100	272	150
552	400	100	522	150
802	400	100	772	150
1052	400	100	1022	150
1302	400	100	1272	150
1552	400	100	1522	150

Installation dimensions for modular cabinet bases 400/600 mm depth

Floor installation dimensions of the bases (height: 100 mm, 200 mm) for univers modular cabinets



Panels	A in mm
1	350
2	600
3	850
4	1100
5	1350
6	1600



Hager Vertriebsgesellschaft mbH & Co. KG
Zum Gunterstal
66440 Blieskastel

hager.com