

Rittal – The System.

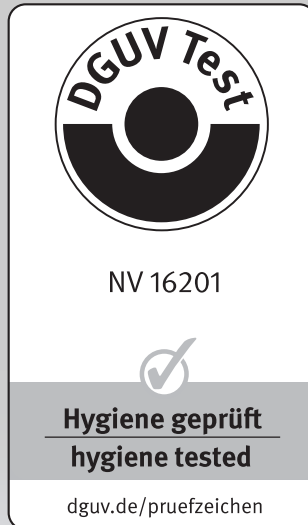
Faster – better – everywhere.



Hygienic Design

Small and compact enclosures HD

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Hygienic Design enclosures – Added cleanliness guaranteed!



Silicone seal

- All-round external joint-free silicone seal
- Easy to replace
- Guides and fixes the lid to the screw fasteners
- All-round tilt for terminal boxes
 - Enclosure: 3°
 - Lid: 10°

Interior installation

- Mounting hole pitch pattern of 6.25 mm for greater flexibility
- KX support rails and mounting plates may be directly fitted

Hinges and seal

- Hinges that are inside the sealing zone create an exceptionally easy-clean design on the outside
- The durable all-round, external silicone seal is joint-free
- Installed sealing frames are easily replaced
- No external cavity between enclosure and door
- Seal dyed blue to clearly distinguish it from foodstuffs

Screw fastener

- Captive
- With external seal
- Hexagon shape for perfect cleanliness

Lock and lock insert

- External parts made of stainless steel
- Material and shape allow easy and reliable cleaning

Roof, tilted

- 30° tilt on compact enclosures prevents objects from being deposited on it
- Easily inspected
- Allows fluids to drain off rapidly



Hygienic Design



HD accessories Page 223 System accessories Page 877 Terminal boxes KX, stainless steel Page 230

Design:

- Enclosure angled forwards by 3°

Material:

- Enclosure and cover: Stainless steel 1.4301 (AISI 304) 1.5 mm
- Mounting bracket: Sheet steel, zinc-plated, passivated, 2.0 mm
- Screw plug: Stainless steel
- Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

Surface finish:

- Enclosure and cover: Brushed, grain 400, peak-to-valley height < 0.8 µm
- Seal: Blue, dyed (RAL 5010)

Protection category IP to IEC 60 529:

- IP 66
- IP X9

Protection category NEMA:

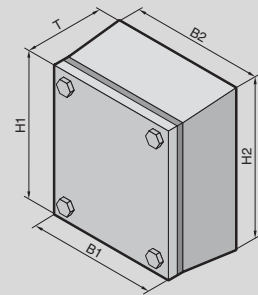
- NEMA 13
- NEMA 3R
- NEMA 4X

Supply includes:

- Enclosure of all-round solid construction
- Cover
- Mounting bracket (pre-assembled)
- Seal and screw plug (supplied loose)

Approvals:

- UL
- cUL



Terminal boxes HD

	Packs of	150	150	200	300	400	400	Page
Width front (B1) mm		150	150	200	300	400	400	
Width rear (B2) mm		172	177	227	327	427	427	
Height front (H1) mm		150	150	200	200	200	300	
Height rear (H2) mm		172	177	227	227	227	327	
Depth (T) mm		80	120	120	120	120	120	
Model No.	1 pc(s).	1670.600	1671.600	1672.600	1674.600	1675.600	1676.600	
Weight kg		1.7	2.2	3.0	4.0	5.0	5.9	

Accessories

Wall spacer bracket HD	1 pc(s).	4000.100	4000.100	4000.100	4000.100	4000.100	4000.100	223
Support rail TS 35/7.5	10 pc(s).	2314.000	2314.000	2315.000	2316.000	2317.000	2317.000	997
Cable gland HD		see page	see page	see page	see page	see page	see page	1057
Mounting plate	1 pc(s).	1560.800	1560.800	1562.800	1563.800	1564.800	1568.800	970



HD accessories Page 223 System accessories Page 877 AX stainless steel Page 236

Design:

- Roof angled forwards by 30°

Material:

- Enclosure and door: Stainless steel 1.4301 (AISI 304)
- Mounting plate: Sheet steel
- Lock insert HD: Stainless steel 1.4404 (AISI 316L)
- Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

Surface finish:

- Enclosure and door: Brushed, grain 400, peak-to-valley height < 0.8 µm
- Mounting plate: Zinc-plated
- Seal: Blue, dyed (RAL 5010)

Protection category IP to IEC 60 529:

- IP 66
- IP X9

Protection category NEMA:

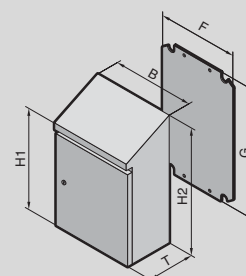
- NEMA 13
- NEMA 4X

Supply includes:

- Enclosure of all-round solid construction
- Door with inserted seal
- Door hinged on the right, may be swapped to the left
- Mounting plate

Approvals:

- UL
- cUL



Compact enclosures HD, single-door

	Packs of	220	390	390	510	610	Page
Width (B) mm							
Height front (H1) mm		350	430	650	550	430	
Height rear (H2) mm		437	549	769	669	601	
Depth (T) mm		155	210	210	210	300	
Mounting plate width (F) mm		162	330	330	450	550	
Mounting plate height (G) mm		275	355	575	475	355	
Model No.	1 pc(s).	1302.600	1306.600	1308.600	1307.600	1320.600	
Weight kg		6.6	14.7	17.9	19.7	21.7	

Accessories

Wall spacer bracket HD	1 pc(s).	4000.100	4000.100	4000.100	4000.100	4000.100	223
Cable gland HD		see page	see page	see page	see page	see page	1057
Rail for interior installation	4 pc(s).	-	-	5001.050	-	-	225
T handle HD	1 pc(s).	4000.065	4000.065	4000.065	4000.065	4000.065	223

Compact enclosures HD, single-door

	Packs of	610	810	810	810	810	Page
Width (B) mm							
Height front (H1) mm		650	430	650	1050	1250	
Height rear (H2) mm		769	549	821	1221	1421	
Depth (T) mm		210	210	300	300	300	
Mounting plate width (F) mm		550	750	750	745	745	
Mounting plate height (G) mm		575	355	575	975	1145	
Model No.	1 pc(s).	1310.600	1314.600	1315.600	1316.600	1317.600	
Weight kg		27.4	25.5	39.0	60.1	71.0	

Accessories

Wall spacer bracket HD	1 pc(s).	4000.100	4000.100	4000.100	4000.100	4000.100	223
Cable gland HD		see page	see page	see page	see page	see page	1057
Rail for interior installation	4 pc(s).	5001.050	-	5001.050	see page	see page	225
T handle HD	1 pc(s).	4000.065	4000.065	4000.065	4000.065	4000.065	223

Hygienic Design



HD accessories Page 223 System accessories Page 877 AX stainless steel Page 236

Design:

- Roof angled forwards by 30°

Material:

- Enclosure and doors: Stainless steel 1.4301 (AISI 304)
- Mounting plate: Sheet steel
- Lock insert HD: Stainless steel 1.4404 (AISI 316L)
- Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

Surface finish:

- Enclosure and door: Brushed, grain 400, peak-to-valley height < 0.8 µm
- Mounting plate: Zinc-plated
- Seal: Blue, dyed (RAL 5010)

Protection category IP to IEC 60 529:

- IP 66
- IP X9

Protection category NEMA:

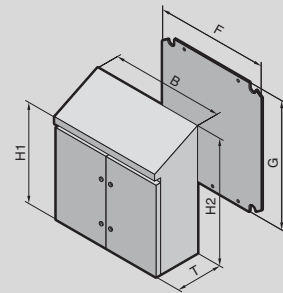
- NEMA 13
- NEMA 4X

Supply includes:

- Enclosure of all-round solid construction
- Door with inserted seal
- Mounting plate

Approvals:

- UL
- cUL



Compact enclosures HD, two-door

Width (B) mm	Packs of	1010	1010	Page
Height front (H1) mm		1050	1250	
Height rear (H2) mm		1280	1480	
Depth (T) mm		400	400	
Mounting plate width (F) mm		945	945	
Mounting plate height (G) mm		975	1175	
Model No.	1 pc(s).	1318.600	1319.600	
Accessories				
Wall spacer bracket HD	1 pc(s).	4000.100	4000.100	223
Cable gland HD		see page	see page	1057
Rail for interior installation	4 pc(s).	5001.052	5001.053	225
T handle HD	1 pc(s).	4000.065	4000.065	223

Hygienic Design

Accessories

Levelling feet HD

Benefits:

- Minimises cleaning time thanks to fully covered, permanently sealed threads
- Compensation of floor inclines up to an angle of 10° thanks to flexible base
- Baying can even be achieved on sloping floors, thanks to a large levelling range

Material:

- Stainless steel 1.4301 (AISI 304)

Load capacity:

- Max. 7000 N static per levelling foot

Supply includes:

- Assembly parts and seals

Design	Thread	Adjustment range mm	Packs of	Model No.
without base mount	M12	122 - 175	4 pc(s).	4000.240
with base attachment	M12	122 - 175	4 pc(s).	4000.250



Enclosures

Wall spacer bracket HD

Benefits:

- Creates space for cleaning behind the enclosure
- Shorter assembly times by eliminating the need for an all-round seal
- Improved hygiene by avoiding inaccessible dead spaces or gaps between the enclosure and wall

Functions:

- Mounting on the wall optionally from the enclosure interior via a through-hole (max. M8) or from the rear via an integral M10 thread

Material:

- Stainless steel 1.4301 (AISI 304)

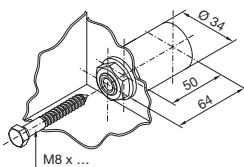
Supply includes:

- Assembly parts and seals

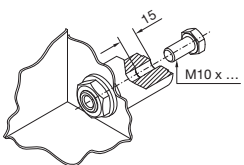
Note:

- Depending on the size of the enclosure, up to 4 wall spacer brackets are required to ensure sufficiently stable wall mounting

Wall distance mm	Packs of	Model No.
50	1 pc(s).	4000.100



Attachment from inside



Attachment from outside



T handle HD

For easy opening without a key. May be exchanged in all enclosures with cam lock.

Material:

- Stainless steel 1.4301 (AISI 304)

Packs of	Model No.
1 pc(s).	4000.065



Hygienic Design

Accessories



Cam lock HD

Hygienic Design variant for easy, safe cleaning.

Applications:

- May be integrated into customised applications, e.g. covers of machine panels.

Material:

- Stainless steel 1.4404 (AISI 316L)
- Fastener lug, lock nut: Steel, zinc-plated

Packs of	Model No.
1 pc(s).	2304.010

+ Accessories:

- Enclosure key HD, see page 224



Enclosure key HD

For HD cam lock.

Note:

- Enclosure, case and lock systems are supplied as standard with matching keys

Packs of	Model No.
1 pc(s).	2549.600



Bit HD for universal key 2549.500

Packs of	Model No.
1 pc(s).	2549.510

Hygienic Design

Accessories

Rails for interior installation

for HD compact enclosures

For mounting on the existing threaded bolts.
With system punchings on three sides.

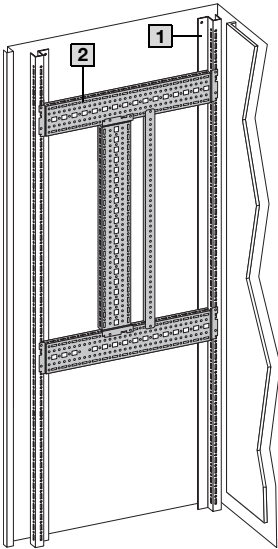
Material:

– Sheet steel, zinc-plated

Supply includes:

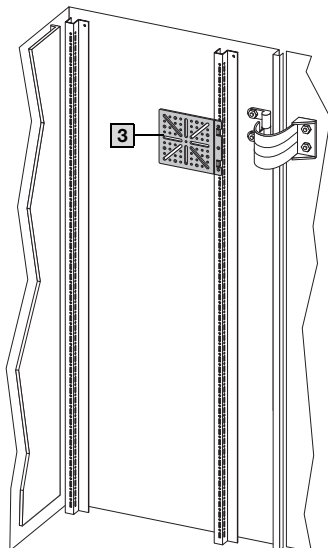
– Assembly parts

Length mm	Packs of	Model No.	Page
510	4 pc(s).	5001.050	995
710	4 pc(s).	5001.051	995
910	4 pc(s).	5001.052	995
1110	4 pc(s).	5001.053	995



Interior installation, door

Enclosure	1	1	1
Model No.	Model No.		
1316.600	5001.052	5001.050	5001.050
1317.600	5001.053	5001.051 5001.050	5001.051 5001.050
1318.600	5001.052	5001.050	5001.050
1319.600	5001.053	5001.051 5001.050	5001.051 5001.050



Interior installation, enclosure

Enclosure	1	2	3
	Rails for interior installation 	Punched section with mounting flange, 17 x 73 mm 	Mounting plates
Model No.	Model No.		
1308.600 1310.600 1315.600	5001.050	–	–
1316.600	5001.052	8612.130 (only on lock side)	8612.400 8612.410
1317.600	5001.053	8612.130 (only on lock side)	8612.400 8612.410
1318.600	5001.052	–	8612.400 8612.410
1319.600	5001.053	–	8612.400 8612.410