

## KTB MH 453820 S4E1

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

### Similar to illustration



Abbildung ähnlich

The Klippon® TB enclosure range provides excellent performance characteristics, even under the most difficult environmental conditions. In addition, it complies with the stricter requirements of potentially explosive atmospheres found specifically in the process or power generation industries. The Klippon® TB MH enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB MH enclosure range has the following advantages:

- Available in 15 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Completely removable lid – without a tool
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

### General ordering data

Version	Klippon TB MH (Terminal Box - Multi Hinge), Empty enclosure, stainless steel enclosure, Height: 458 mm, Width: 382 mm, Depth: 200 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1195060000</a>
Type	KTB MH 453820 S4E1
GTIN (EAN)	4032248977734
Qty.	1 Stück

## KTB MH 453820 S4E1

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technische Daten

### Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	458 mm	Height (inches)	18.031 inch
Width	382 mm	Width (inches)	15.039 inch
Mounting dimension - height	305 mm	Mounting dimension - width	408 mm
Net weight	10,240 g		

### Temperatures

Operating temperature	-60 °C...135 °C	Operating temperature, min.	-60 °C
Operating temperature, max.	135 °C	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.

### Cable glands, left

M12	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

### Cable glands, right

M12	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

### Cable glands, top/bottom

M12	50	M16	34
M20	23	M25	18
M32	10	M40	8
M50	4	M63	3
M75	2		

## KTB MH 453820 S4E1

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

## Technische Daten

info@weidmueller.com

www.weidmueller.com

DE PS261X 160309  
001ISS03

Certificate No. (CCOE) P461058\_1

Certificate No. (IECEX) IECEXPTB11.0071

Certificate No. Electronic Box (NEPSI) 2020322303003289

Certificate No. UL Haz.Loc. E223792

Certificate No. UL Terminal Box E223792

Certificate no. (cULus) E243298

Certificate no. Terminal Box (ATEX) IBExU14ATEX1050

Certificate no. Terminal Box (IECEX)

IECEXIBE14.0013

Certificate no. Terminal Box (KOSHA) 16-AV4BO-0245X

Certificate no. empty enclosure (ECAS) **21-09-25241/  
E21-09-053807**

Certificate no. empty enclosure (INMETRO) IEx 17.0020U

Declaration of Conformatiy No. (DoC LVD) DE PS261X 160412  
001ISS02

### Certificate numbers enclosure

Approval conditions	ATEX, CCoE, DNV, EAC, IECEX, INMETRO, KC, NEPSI, CCC, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus
Certificate No. (ATEX)	PTB11ATEX2019
Certificate No. (EAC)	C-DE.HB07.B.00089-20
Certificate No. (MARITREG)	21.50075.272
Certificate No. UL 508A	E223801
Certificate No. UL Ord.Loc.	E243298
Certificate no. (INMETRO)	IEX13.0006U
Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (EAC)	C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.AD54.B.00251/19 Ind. Terminal Box
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate no., empty enclosure (EAC)	C-DE.HB07.B.00089/20

Attestation of Conformatiy No. (AeC)	DE PS261X 160309 001ISS03
Certificate No. (CCOE)	P461058_1
Certificate No. (IECEX)	IECEXPTB11.0071
Certificate No. Electronic Box (NEPSI)	2020322303003289
Certificate No. UL Haz.Loc.	E223792
Certificate No. UL Terminal Box	E223792
Certificate no. (cULus)	E243298
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate no. empty enclosure (ECAS)	<b>21-09-25241/ E21-09-053807</b>
Certificate no. empty enclosure (INMETRO)	IEx 17.0020U
Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS02

## KTB MH 453820 S4E1

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

## Technische Daten

### General information

AF size	10 mm	Access opening: height	105 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
Dimension of box	323 mm	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate	580x620x290	Flange plate mounting	M6 hexagonal head screws 10 SW
Gland plates	Yes	Impact resistance	7 J ATEX version, 10 J version standard
Integral fixing	Bottom	Lid attachment	4 hinges and M6 hex-head slotted screws SW10
Material	4, 6 or 9 stud bolts M6 inner (female) thread	Material thickness of cover	1.5 mm
Material thickness of enclosure	Stainless steel 1.4404 (316L)	Material thickness of flange	3 mm
Max. payload	1.5 mm	Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
	70 kg	Opening angle lid	130 °
Number of lid screws	4	Operating temperature, min.	-60 °C
Operating temperature, max.	135 °C	Position PE bolts	Enclosure side C
Overall dimensions	469 x 433 x 215	Protection degree	IP66, IP67
Protection class (UL)	Type 3, Type 4X, Type 12	Standards	DIN EN 62208 - Empty enclosure standard, DIN EN 61373 Class 1B**, DIN EN 15085-2, EN 60079-0, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-7, IEC 60079-31
Seal material	Silicone	Torque for lid screws	2.5 Nm
Surface finish	electropolished		

### Housing earth

Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.
----------------------------	--

### horizontal assembly

WDU 10 / ZDU 10	2x27	WDU 16 / ZDU 16	2x22
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x54	WDU 35 / ZDU 35	1x17
WDU 4 / ZDU 4	3x46	WDU 6 / ZDU 6	3x34

### vertical assembly

WDU 10 / ZDU 10	2x36	WDU 16 / ZDU 16	2x29
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x71	WDU 35 / ZDU 35	1x22
WDU 4 / ZDU 4	2x59	WDU 6 / ZDU 6	2x44

**KTB MH 453820 S4E1**

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**Technische Daten**

**Classifications**

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ECLASS 9.0	27-18-05-02
ECLASS 9.1	27-18-05-02	ECLASS 10.0	27-18-05-02
ECLASS 11.0	27-18-05-02	ECLASS 12.0	27-18-05-02

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E243298

## KTB MH 453820 S4E1

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technische Daten

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box</a> <a href="#">C-DE.A154.B.00251.19 Ind. Terminal Box</a> <a href="#">CCC 2020322303002358 KTB Assembly Enclosure</a> <a href="#">CCC 2020322303002357 KTB Empty Enclosure</a> <a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS05 IEX17.0020U</a> <a href="#">IBEXU14ATEX1028U</a> <a href="#">IBEXU14ATEX1050</a> <a href="#">IECEXIBE14.0004U</a> <a href="#">IECEXIBE14.0013</a> <a href="#">TAE000013S</a> <a href="#">15.40073.250</a> <a href="#">RUC-DE.MIO62.B.04799</a> <a href="#">GYJ14.1310X</a> <a href="#">IECEXPTB11.0071</a> <a href="#">PTB11ATEX2019</a> <a href="#">16-AV4BO-245X</a> <a href="#">P4610581_1</a> <a href="#">21-09-25241/E21-09-053807</a> <a href="#">LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS</a> <a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
Tender specification	<a href="#">Klippon TB MH 453820 S4E1_1195060000_DE</a> <a href="#">Klippon TB MH 453820 S4E1_1195060000_EN</a> <a href="#">Klippon TB MH 453820 S4E1_1195060000_NL</a>
User Documentation	<a href="#">Assembly guidelines - empty enclosures</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB KLIPPON ENCL.TECN EN</a> <a href="#">MB PROCESS EN</a> <a href="#">FL WIND 2012 EN</a> <a href="#">FL APPL PROCESS EN</a> <a href="#">FL SHIPBUILDING 2016 EN</a> <a href="#">FL RAILWAY 2014 EN</a> <a href="#">PI KLIPPON TB MH QL EN</a> <a href="#">PI KLIPPON TB MH QL EN</a>

