

## Terminals/Accessories

### ZDU 4

### ZDU 4 BL

### ZDU 6

#### Dimensions

Width/Length/Height (mm) with TS 35 x 7.5

#### Rated data as per EN 5014-20

Rated Voltage EEx e/ current EEx e/cross-section Cu

Component certification

Ambient temperature min./max.

Temperature rise at rated current below

Insulating material

Limiting temperature of insulating material

Voltage EEx i

Clearance EEx i/EEEx i > 6 mm

#### Connection data

"e" solid strand H07V-U mm<sup>2</sup>

"m" multi strand H07V-R mm<sup>2</sup>

"f" fine strand H07V-K mm<sup>2</sup>

"f" fine strand crimp. with ferrules as per DIN 46228/1 mm<sup>2</sup>

"f" fine strand crimp. with ferrules and plastic collars mm<sup>2</sup>

Plug gauge as per IEC 947-1 Size

Insulation stripping length/Screwdriver SD mm

#### Ordering data

EEx e dark beige

EEx i blue

#### Mounting rails



#### End bracket (thickness mm)



#### End plate (thickness mm)



#### Partition (thickness mm)



#### Cross-connections

ZQV cross-connection KEMA94Y7176U

275 V



#### AP or TW for cross-connections EEx e (thickness mm)

Rated voltage

Arrangements

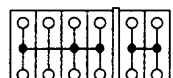
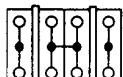
275 V

intermediate cross-connection

275 V

parallel with ZDU 2.5

275 V



#### Marking tags

DEK

sequential, horizontal

ZS

Printed

other accessories: ZAD, ZGB, reducing sleeves ZRH, see main catalogue

6 / 62 / 43

550 V / 28 A / 4 mm<sup>2</sup>

EEx e II KEMA94C7176U

- 50 °C / + 40 °C

Wemid

100 °C

> 6 mm

0.5...6

0.5...6

0.5...4

0.5...4

A 4

12 / 0.6 x 3.5

Type	Cat. No.	Qty.
ZDU 4	163205	100

Type	Cat. No.	Qty.
TS 35 x 7.5	038340	2 m
TS 35 x 15	049800	2 m

EW 35 (8.5)	038356	50
WEW 35/2 (8)	106120	50

ZAP/TW4 (1.5)	163209	50
---------------	--------	----

ZAP/TW4 (1.5)	163209	50
---------------	--------	----

ZAP/TW4 (1.5)	163209	50
---------------	--------	----

ZQV 4/2	160895	60
ZQV 4/3	160896	60
ZQV 4/4	160897	60
ZQV 4/5	160898	20
ZQV 4/6	160899	20
ZQV 4/7	160900	20
ZQV 4/8	160901	20
ZQV 4/9	160902	20
ZQV 4/10	160903	20

ZAP/TW4 (1.5)	163209	50
---------------	--------	----

DEK 6	046866	500
ZS 12/6	161003	400

6 / 62 / 43

- / - / 4 mm<sup>2</sup>

- 50 °C / + 40 °C

Wemid

100 °C

available

0.5...6

0.5...6

0.5...4

0.5...4

A 4

12 / 0.6 x 3.5

Type	Cat. No.	Qty.
ZDU 4 BL	163206	100

Type	Cat. No.	Qty.
TS 35 x 7.5	038340	2 m
TS 35 x 15	049800	2 m

EW 35 (8.5)	038356	50
WEW 35/2 (8)	106120	50

ZAP/TW4 (1.5)	163210	50
---------------	--------	----

ZAP/TW4 (1.5)	163210	50
---------------	--------	----

2x WTW (3)	105880	20
------------	--------	----

ZQV 4/2	160895	60
ZQV 4/3	160896	60
ZQV 4/4	160897	60
ZQV 4/5	160898	20
ZQV 4/6	160899	20
ZQV 4/7	160900	20
ZQV 4/8	160901	20
ZQV 4/9	160902	20
ZQV 4/10	160903	20

DEK 6	046866	500
ZS 10/5	161001	480

8 / 65 / 45.5

550 V / 36 A / 6 mm<sup>2</sup>

EEx e II KEMA94C7176U

- 50 °C / + 40 °C

Wemid

100 °C

> 6 mm

0.5...10

0.5...10

0.5...6

0.5...6

A 5

13 / 1 x 5.5

Type	Cat. No.	Qty.
ZDU 6	160862	50

Type	Cat. No.	Qty.
TS 35 x 7.5	038340	2 m
TS 35 x 15	049800	2 m

EW 35 (8.5)	038356	50
WEW 35/2 (8)	106120	50

ZAP/TW5 (1.5)	160883	50
---------------	--------	----

ZAP/TW5 (1.5)	160883	50
---------------	--------	----

ZQV 6/2	162785	60
ZQV 6/3	162786	60
ZQV 6/4	162787	60

ZAP/TW5 (1.5)	160883	50
---------------	--------	----

DEK 8	127696	500
ZS 12/3	161003	400

**PE terminals EEx e green-yellow**

**Design**

General information, see page 3/2. Standard ZPE terminals for hazardous areas are certified with the increased-safety type of protection "e" and explosion group II. ZPE terminals are made of the insulating material Wemid, and have a limiting temperature of 100 °C to meet the requirements of EN 50 014 for increased safety. ZPE terminals are suitable for use in ambient temperatures of maximum minus 50 °C. The limiting temperature must be maintained in compartments and enclosures where internal temperatures exceed the normal 40 °C limit. Temperature by current is not taken into account with PE terminals.

**Accessories**

The accessories listed in the tables are certified for use in hazardous areas.

**Fittings**

The terminals are mounted on rails; the open sided terminal in each row is provided with an end plate. End brackets are used at the beginning and end of the row for fixing purposes.

**Electrical data**

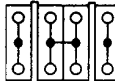
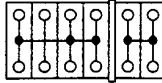
ZPE terminals are snapped to mounting rail. When selecting mounting rails, equality of conductance with respect to the largest PE terminal must be ensured. If necessary, use copper mounting rails.

- TS 35 x 7.5 St  $\geq$  16 mm<sup>2</sup>
- TS 35 x 15 St  $\geq$  50 mm<sup>2</sup>
- TS 35 x 15 Cu  $\geq$  150 mm<sup>2</sup>

**Terminals/Accessories**

<b>Dimensions</b>	
Width/Length/Height (mm)	with TS 35 x 7.5 $\frac{5}{63/39}$
<b>Rated data as per EN 50 014-20</b>	
Rated Voltage EEx e/ current EEx e/cross-section Cu	- / - / 2.5 mm <sup>2</sup>
Component certification	EEx e II KEMA94Y7176U
Ambient temperature min./max.	- 50 °C / + 40 °C
Temperature rise at rated current below	
Insulating material	Wemid
Limiting temperature of insulating material	100 °C
Voltage EEx i	
Clearance EEx i/EEEx i	> 6 mm
<b>Connection data</b>	
"e" solid strand H07V-U	mm <sup>2</sup> 0.5...4
"m" multi strand H07V-R	mm <sup>2</sup> 0.5...4
"f" fine strand H07V-K	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules as per DIN 46228/1	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules and plastic collars	mm <sup>2</sup> 0.5...2.5
Plug gauge as per IEC 947-1	Size A 3
Insulation stripping length/Screwdriver SD	mm 10 / 0.6 x 3.5
<b>Ordering data</b>	
EEx e green-yellow	

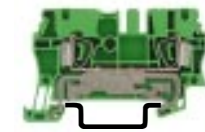
<b>Mounting rails</b>	
	
<b>End bracket (thickness mm)</b>	
	
<b>End plate (thickness mm)</b>	
	dark beige
<b>Partition (thickness mm)</b>	
	dark beige
	EEx e/EEEx i Clearance 50 mm

<b>AP or TW at open adjacent terminal (thickness mm)</b>	
Arrangements	
	not necessary
	not necessary

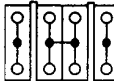
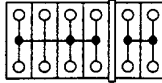
<b>Marking tags</b>		<b>Printed</b>	
DEK	sequential, horizontal	DEK 5	500
ZS	Printed	ZS 10/5	480

other accessories: ZAD, ZGB, reducing sleeves ZRH, see main catalogue

**ZPE 2.5**



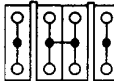
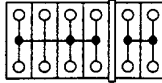
Width/Length/Height (mm)	5 / 63 / 39
Rated Voltage EEx e/ current EEx e/cross-section Cu	- / - / 2.5 mm <sup>2</sup>
Component certification	EEx e II KEMA94Y7176U
Ambient temperature min./max.	- 50 °C / + 40 °C
Temperature rise at rated current below	
Insulating material	Wemid
Limiting temperature of insulating material	100 °C
Voltage EEx i	
Clearance EEx i/EEEx i	> 6 mm
<b>Connection data</b>	
"e" solid strand H07V-U	mm <sup>2</sup> 0.5...4
"m" multi strand H07V-R	mm <sup>2</sup> 0.5...4
"f" fine strand H07V-K	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules as per DIN 46228/1	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules and plastic collars	mm <sup>2</sup> 0.5...2.5
Plug gauge as per IEC 947-1	Size A 3
Insulation stripping length/Screwdriver SD	mm 10 / 0.6 x 3.5
<b>Ordering data</b>	
Type	Cat. No. Qty.
ZPE 2.5	<b>160864</b> 100

Type	Cat. No. Qty.
TS 35 x 7.5	<b>038340</b> 2 m
TS 35 x 15	<b>049800</b> 2 m
<b>End bracket (thickness mm)</b>	
EW 35 (8.5)	<b>038356</b> 50
WEW 35/2 (8)	<b>106120</b> 50
<b>End plate (thickness mm)</b>	
ZAP/TW1 (1.5)	<b>160874</b> 50
<b>Partition (thickness mm)</b>	
ZAP/TW1 (1.5)	<b>160874</b> 50
<b>AP or TW at open adjacent terminal (thickness mm)</b>	
Arrangements	
	
not necessary	
	
not necessary	
<b>Marking tags</b>	
DEK	sequential, horizontal
ZS	Printed

**ZPE 2.5/3AN**



Width/Length/Height (mm)	5 / 64 / 39
Rated Voltage EEx e/ current EEx e/cross-section Cu	- / - / 2.5 mm <sup>2</sup>
Component certification	EEx e II KEMA94Y7176U
Ambient temperature min./max.	- 50 °C / + 40 °C
Temperature rise at rated current below	
Insulating material	Wemid
Limiting temperature of insulating material	100 °C
Voltage EEx i	
Clearance EEx i/EEEx i	> 6 mm
<b>Connection data</b>	
"e" solid strand H07V-U	mm <sup>2</sup> 0.5...4
"m" multi strand H07V-R	mm <sup>2</sup> 0.5...4
"f" fine strand H07V-K	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules as per DIN 46228/1	mm <sup>2</sup> 0.5...2.5
"f" fine strand crimp. with ferrules and plastic collars	mm <sup>2</sup> 0.5...2.5
Plug gauge as per IEC 947-1	Size A 3
Insulation stripping length/Screwdriver SD	mm 10 / 0.6 x 3.5
<b>Ordering data</b>	
Type	Cat. No. Qty.
ZPE 2.5/3AN	<b>160865</b> 100

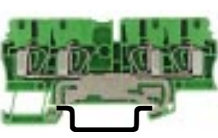
Type	Cat. No. Qty.
TS 35 x 7.5	<b>038340</b> 2 m
TS 35 x 15	<b>049800</b> 2 m
<b>End bracket (thickness mm)</b>	
EW 35 (8.5)	<b>038356</b> 50
WEW 35/2 (8)	<b>106120</b> 50
<b>End plate (thickness mm)</b>	
ZAP/TW2 (1.5)	<b>160877</b> 50
<b>Partition (thickness mm)</b>	
ZAP/TW2 (1.5)	<b>160877</b> 50
<b>AP or TW at open adjacent terminal (thickness mm)</b>	
Arrangements	
	
not necessary	
	
not necessary	
<b>Marking tags</b>	
DEK	sequential, horizontal
ZS	Printed

WTW (3) **105880** 20

ZPE 2.5/4AN

ZPE 4

ZPE 6



5 / 79 / 39  
 - / - / 2.5 mm<sup>2</sup>  
 EEx e II KEMA94Y7176U  
 - 50 °C / + 40 °C

6 / 62 / 43  
 - / - / 4 mm<sup>2</sup>  
 EEx e II KEMA94Y7176U  
 - 50 °C / + 40 °C

8 / 65 / 45.5  
 - / - / 6 mm<sup>2</sup>  
 EEx e II KEMA94Y7176U  
 - 50 °C / + 40 °C

Wemid  
 100 °C

Wemid  
 100 °C

Wemid  
 100 °C

0.5...4  
 0.5...4  
 0.5...2.5  
 0.5...2.5  
 A 3  
 10 / 0.6 x 3.5

0.5...6  
 0.5...6  
 0.5...4  
 0.5...4  
 A 4  
 12 / 0.6 x 3.5

0.5...10  
 0.5...10  
 0.5...6  
 0.5...6  
 A 5  
 13 / 1 x 5.5

Type	Cat. No.	Qty.
ZPE 2.5/4AN	<b>160866</b>	100

Type	Cat. No.	Qty.
ZPE 4	<b>163208</b>	100

Type	Cat. No.	Qty.
ZPE 6	<b>160867</b>	50

Type	Cat. No.	Qty.
TS 35 x 7.5	<b>038340</b>	2 m
TS 35 x 15	<b>049800</b>	2 m

Type	Cat. No.	Qty.
TS 35 x 7.5	<b>038340</b>	2 m
TS 35 x 15	<b>049800</b>	2 m

Type	Cat. No.	Qty.
TS 35 x 7.5	<b>038340</b>	2 m
TS 35 x 15	<b>049800</b>	2 m

EW 35 (8.5)	<b>038356</b>	50
WEW 35/2 (8)	<b>106120</b>	50

EW 35 (8.5)	<b>038356</b>	50
WEW 35/2 (8)	<b>106120</b>	50

EW 35 (8.5)	<b>038356</b>	50
WEW 35/2 (8)	<b>106120</b>	50

ZAP/TW3 (1.5)	<b>160880</b>	50
---------------	---------------	----

ZAP/TW4 (1.5)	<b>163209</b>	50
---------------	---------------	----

ZAP/TW5 (1.5)	<b>160883</b>	50
---------------	---------------	----

ZAP/TW3 (1.5)	<b>160880</b>	50
---------------	---------------	----

ZAP/TW4 (1.5)	<b>163209</b>	50
---------------	---------------	----

ZAP/TW5 (1.5)	<b>160883</b>	50
---------------	---------------	----

on site		
---------	--	--

2 x WTW (3)	<b>105880</b>	20
-------------	---------------	----

not necessary

not necessary

not necessary

not necessary

not necessary

not necessary

DEK 5	<b>047346</b>	500
ZS 10/5	<b>161001</b>	480

DEK 6	<b>046866</b>	500
ZS 12/6	<b>161003</b>	400

DEK 8	<b>127696</b>	500
ZS 12/6	<b>161003</b>	400