



General ordering data

Order No.	1020200000
Short text for material	WDU 6
EAN	4008190163440
Qty	100

Product notes

Note, ordering data	For colours available see section W-series accessories "Specific functions"
Note, technical data	Note max. current of terminal (57 A) when using WQV.

Additional technical data

Type of connection	screwed
No. of identical terminals	1
Version	Feed-through terminal
Type of mouting	clipped
UL 94 flammability rating of insulation material	V-0
Installation advice	TS 35
Colour of insulating material	dark beige
Insulating material	Wemid
Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Connection direction	on side
Product range	W-Series
No. of levels	1
Levels cross-connected internally	No
No. of terminal strips per level	2
Explosion-tested version "Ex e"	Yes
End plate required	Yes

CSA rating data

Max. cross-section (CSA)	AWG 8
Min. cross-section (CSA)	AWG 22
CSA current	50 A
Voltage CSA	600 V

Conductors for clamping (1) with equal cross-section (rated connection)

Flexible, min.	0,5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	2,5 mm ²
Solid, max.	2,5 mm ²
Flexible, max.	2,5 mm ²
Solid, min.	0,5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	0,5 mm ²

Conductors for clamping (rated connection)

Stripping length	12 mm
Type of connection	Screw connection
No. of connections	2
Torque level with DMS electric screwdriver	3
Tightening torque range	0.8... 1.6 Nm
Zwillings-AEH, max.	4,00 mm ²
Solid, max.	10 mm ²
Flexible, max.	10 mm ²
flexible w. ferrule AEH, max. DIN 46228-1	6 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 mm ²
flexible w. ferrule AEH, min. DIN 46228-1	0,5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0,5 mm ²
Clamping range, max.	10 mm ²
Clamping range, min.	0,33 mm ²
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Gauge to IEC 60947-1	A5
AWG conductor size, max.	8,37 mm ²
AWG conductor size, max.	AWG 8
Stranded, max.	10 mm ²
Stranded, min.	1,5 mm ²
AWG conductor size, min.	0,13 mm ²
AWG conductor size, min.	AWG 26
Flexible, min.	0,5 mm ²
2nd type of connection	screwed
Solid, min.	0,5 mm ²
Twin wire-end ferrule, min.	0,50 mm ²
Connection direction	on side

Dimensions

TS 35 offset	15 mm
Length	60 mm
Weight	14,80 g
Width	7,9 mm
Height of lowest version	47 mm

Disconnect terminals

Torque level with DMS electric screwdriver	3
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EN 60079-7 rating data

Voltage at cross-connection DU+QV/PE with end plate	550 V
Voltage at cross-connection DU+QV skipping	110 V
Marking ATEX Directive 94/9/EC	II 2 G D
Marking ATEX Directive 94/9/EC	Ex II 2 G D
Voltage at cross-connection DU+QV/PE	420 V
Current Ex e	36 A
Marking EN 60079-7	Ex e II
Voltage Ex e	550 V
EC conformity verification certificate	KEMA 98ATEX1683 U
Voltage at cross-connection DU+QV/DU	550 V
Voltage Ex i, EN 50020	60 V

Rating data

Rated cross-section	6 mm ²
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	41 A
Norm	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

UL rating data

Voltage UL	600 V
Current (UL)	50 A
Max. cross-section (UL)	AWG 8
Min. cross-section (UL)	AWG 22

Approvals

Approvals



Downloads

STEP	1020200000_09254_WDU_6_STP.s
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Classifications

ETIM 2.0	EC000897
ETIM 3.0	EC000897
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

Related products

Order No.	Short text for material
1020280000	WDU 6 BL
1020260000	WDU 6 OR
1020240000	WDU 6 RT
1020210000	WDU 6 SW