General ordering data	
Order No.	1020210000
Part designation	WDU 6 SW
Version	Feed-through terminal, 6 mm², Screw connection, Polyamide, black, TS 35
EAN	4008190861308
Qty.	100 pc(s).

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! Conductor connection H07V-..10 and AWG 8 tighten with 1.4-1.6 Nm.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Note, accessories	Socket and test plug, see section "W Series accessories", shielding rail LS 2.8 1056400000.

PT OKIECEx/ATEX rating data	
EU-type examination certificate	KEMA98ATEX1683U
Download, German	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
IECEx Certificate of Conformity	IECEXULD05.0008U
ATEX voltage	550 V
ATEX current	36 A
ATEX conductor cross-section	6 mm²
IECEx voltage	550 V
IECEx current	36 A
IECEx conductor cross-section	6 mm²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)	
Solid, min.	0.5 mm²
Solid, max.	2.5 mm²
Flexible, min.	0.5 mm²
Flexible, max.	2.5 mm²
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm²

Additional technical data	
Colour of insulating material	black
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35

Additional technical data	
Insulating material	Polyamide
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2
Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Feed-through terminal

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

Conductors for clamping (rated connection)	
Clamping range, min.	0.22 mm²
Clamping range, max.	10 mm²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	12 mm
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Tightening torque range	0.8...1.6 Nm
Torque level with DMS electric screwdriver	3
Gauge to IEC 60947-1	A5
Solid, min.	0.5 mm²
Solid, max.	10 mm²
Stranded, min.	1.5 mm²
Stranded, max.	10 mm²
Flexible, min.	0.5 mm²
Flexible, max.	10 mm²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm²
Flexible with ferrule, max. (DIN 46228/1)	6 mm²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 mm²
Twin wire-end ferrule, min.	0.5 mm²
Twin wire end ferrule, max.	4 mm²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 8
AWG conductor size, min.	0.13 mm²
AWG conductor size, max.	8.37 mm²

Dimensions	
Width	7.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	14.8 g
TS 35 offset	32 mm

Disconnect terminals	
Torque level with DMS electric screwdriver	3

Rating data	
Rated cross-section	6 mm²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

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

Approvals	
Approvals institutes	CSAEX CURUSEX GOSTEX IEC EX ATEX ME25

Classifications	
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

Similar products

Order No.	Part designation	Version
1020200000	WDU 6	Feed-through terminal, 6 mm², Screw connection, Wemid, dark beige, TS 35
1020280000	WDU 6 BL	Feed-through terminal, 6 mm², Screw connection, Wemid, blue, TS 35
1020260000	WDU 6 OR	Feed-through terminal, 6 mm², Screw connection, Polyamide, Orange, TS 35
1020240000	WDU 6 RT	Feed-through terminal, 6 mm², Screw connection, Polyamide, red, TS 35

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