



General ordering data

Material number	1020200000
Part designation	WDU 6
Version	Feed-through terminal, 6 mm ² , Screw connection, Wemid, dark beige
EAN	4008190163440
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.
Note, accessories	Socket and test plug, see section "W Series accessories", shielding rail LS 2.8 1056400000.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

Approvals

Approvals institutes	CSA; CSAEX; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; RINA; UR; BURVER; GOSTME25
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IECEX/ATEX rating data

Certificate no.	KEMA98ATEX1683U
ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf
Certificate no.	IECEXULD05.0008U
max. voltage	550 V
Current (ATEX)	36 A
Conductor cross-section, max.	6 mm ²

IECEX/ATEX rating data

max. voltage	550 V
Current (IECEX)	36 A
Conductor cross-section, max.	6 mm ²
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)

Conductor cross-section, solid, 2 clampable conductor	0.5 mm ²
Conductor cross-section, solid, max.	2.5 mm ²
Conductor cross-section, flexible, 2 clampable conductor, min.	0.5 mm ²
Conductor cross-section, flexible, 2 clampable conductor, max.	2.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	2.5 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End cover plate required	Yes
Explosion-tested version	Yes
Flammability class UL 94	V-0
Insulating material	Wemid
Levels cross-connected internally	No
No. of clamping points per level	2
Number of identical terminals	1
Number of levels	1
Open sides	right
Operating temperature range, max.	120 °C
Operating temperature range, min.	-50 °C
Product family	W terminal with screw connection
Type of connection	Screw connection
Type of mounting	Snap-on

CSA rating data

Min. cross-section (CSA)	AWG 22
Max. cross-section (CSA)	AWG 8

Conductors for clamping (additional connection)

Rated current	41 A
Type of connection	Screw connection
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm

Conductors for clamping (additional connection)

Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 8

Conductors for clamping (rated connection)

Clamping range, min.	0.22 mm ²
Clamping range, max.	10 mm ²
Type of connection	Screw connection
Connection direction	on side
No. of connections	2
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm
Torque setting with DMS electric screwdriver	3
Gauge to IEC 60947-1	A5
Conductor cross-section, solid, min.	0.5 mm ²
Conductor cross-section, solid, max.	10 mm ²
Conductor cross-section, stranded, rated connection, min.	1.5 mm ²
Conductor cross-section, stranded, rated connection, max.	10 mm ²
Conductor cross-section, flexible, max.	10 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	6 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	6 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	4 mm ²
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 8

Dimensions

Width	7.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	14.8 g

Disconnect terminals

Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm
Torque setting with DMS electric screwdriver	3

Rating data

Rated cross-section	6 mm ²
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Rating data

Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

Stud connection

Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm

UL rating data

Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 8

Downloads

STEP	1020200000_09254_WDU_6_STP.stp
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Classifications

ETIM20	EC000897
ETIM30	EC000897
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20
eClass 6.0	EC27141120

Similar products

Order No.	Part designation	Version
1020280000	WDU 6 BL	Feed-through terminal, 6 mm ² , Screw connection, Wemid, blue
1025200000	WDU 6 CUN	Feed-through terminal, 6 mm ² , Screw connection
1040200000	WDU 6 GE/GN	Feed-through terminal, 6 mm ² , Screw connection
1020290000	WDU 6 GN	Feed-through terminal, 6 mm ² , Screw connection, Wemid, green
1039600000	WDU 6 GR	Feed-through terminal, 6 mm ² , Screw connection
1020260000	WDU 6 OR	Feed-through terminal, 6 mm ² , Screw connection, Polyamide, Orange
1020240000	WDU 6 RT	Feed-through terminal, 6 mm ² , Screw connection, Polyamide, red
1020210000	WDU 6 SW	Feed-through terminal, 6 mm ² , Screw connection, Polyamide, black