



General ordering data

Order No.	1024400000
Part designation	WDU 2.5/TC TYP SR
Version	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
EAN	4008190116675
Qty.	50 pc(s).

PT OKIECEEx/ATEX rating data

EU-type examination certificate	SIRA02ATEX3153U
Download, German	
Download English	SIRA02ATEX3153U_e.pdf
IECEEx Certificate of Conformity	IECEXSIR05.0039U
Download	IECEXSIR05.0039U_e.pdf
ATEX voltage	55 V
ATEX current	1 A
ATEX conductor cross-section	2.5 mm ²
IECEEx voltage	55 V
IECEEx conductor cross-section	2.5 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)

Solid, min.	0.5 mm ²
Solid, max.	1.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	1.5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	1.5 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	TS 35
Insulating material	Wemid
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	Thermocouple

Conductors for clamping (additional connection)

Type of connection	Screw connection
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Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.6 Nm
Torque level with DMS electric screwdriver	1
Gauge to IEC 60947-1	A2
Solid, min.	0.5 mm ²
Solid, max.	2.5 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	2.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	2.5 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	1.5 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12

Conductors for clamping (rated connection)

AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	3.31 mm ²

Dimensions

Width	10.2 mm
Height of lowest version	50.5 mm
Length	60 mm
Weight	16.95 g
TS 35 offset	32 mm

Disconnect terminals

Torque level with DMS electric screwdriver	1
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Rating data

Rated cross-section	2.5 mm ²
Standards	IEC 60947-7-1 / IEC 60584
Pollution severity	3

Thermal voltage terminals

Type of thermo-elements	Pt10%-PtRh/Pt13%-PtRh
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Approvals

Approvals institutes



Classifications

eClass 4.1	27-14-11-31
eClass 5.0	27-14-11-31
eClass 5.1	27-14-11-31

Similar products

Order No.	Part designation	Version
1033700000	WDU 2.5/TC TYP B	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1033300000	WDU 2.5/TC TYP E	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1024300000	WDU 2.5/TC TYP J	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1024100000	WDU 2.5/TC TYP K	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1041500000	WDU 2.5/TC TYP N	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1024200000	WDU 2.5/TC TYP T	Special terminal, special connections, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35