

WDK 2.5 LD GR 1R 24VDC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

General ordering data

Version	W-Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm ² , Screw connection
Order No.	8010040000
Type	WDK 2.5 LD GR 1R 24VDC
GTIN (EAN)	4008190058708
Qty.	25 Stück

Erstellungs-Datum June 1, 2023 11:33:04 AM CEST

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Technische Daten

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	69 mm
Height (inches)	2.717 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	12.27 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, with LED	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Electronic component	Green LED	Explosion-tested version	No
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

Component

Component LED	Colour	red
	Voltage, min.	6 V
	Voltage, max.	24 V
	Current	20 mA
Component resistor	Resistance	4.7 kOhm
	Power loss	0.4 W
	Tolerance (%)	1 %

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
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Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	0.5 mm ²		
		max.	4 mm ²		
	nominal	2.5 mm ²			
		wire end ferrule	Stripping length	min.	10 mm
				max.	10 mm
	nominal			10 mm	
	Recommended wire-end ferrule				
	Connection specification		Screw connection		
Cross-section for conductor connection	Type	flexible, H05(07) V-K			
	min.	0.5 mm ²			
	max.	4 mm ²			
nominal	2.5 mm ²				
	wire end ferrule	Stripping length	min.	10 mm	
			max.	10 mm	
nominal			10 mm		
Recommended wire-end ferrule					
Clamping range, max.	4 mm ²				
Clamping range, min.	0.13 mm ²				
Connection cross-section, stranded, max.	4 mm ²				
Connection cross-section, stranded, min.	1.5 mm ²				
Connection direction	on side				
Gauge to IEC 60947-1	A3				
Number of connections	3				
Stripping length	10 mm				
Tightening torque, max.	0.6 Nm				
Tightening torque, min.	0.4 Nm				
Type of connection	Screw connection				
Wire connection cross section, finely stranded, max.	4 mm ²				
Wire connection cross section, finely stranded, min.	0.5 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²				
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²				
Wire connection cross-section, solid core, max.	4 mm ²				
Wire connection cross-section, solid core, min.	0.5 mm ²				

Dimensions

TS 35 offset 35.5 mm

Display element

Current	5 mA	Indicator element	green
Operating voltage for display, max.	24 V	Operating voltage for display, min.	24 V
Type of voltage for indicator	DC		

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General

Rail	TS 35	Standards	IEC 60947-7-1
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	24 V
Current at maximum wires	10 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	0.8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ECLASS 9.0	27-14-11-27
ECLASS 9.1	27-14-11-47	ECLASS 10.0	27-14-11-27
ECLASS 11.0	27-14-11-27	ECLASS 12.0	27-14-11-27

Important note

Product information	The allowed continuous operating temperature must be observed
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S, EPLAN
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Zeichnungen

