

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 pc(s).

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Technical data**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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Technical data

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
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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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Technical data

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	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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Drawings

