

WDK 2.5 LD GR 1R 24VDC**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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info@weidmueller.com

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 mm², 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

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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	info@weidmueller.com, H05(07) V-U	
		min.	0.5 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	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 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	wire end ferrule	Stripping length	min.	10 mm
			max.	10 mm
			nominal	10 mm
		Recommended wire-end ferrule		
Clamping range, max.		4 mm²		
Clamping range, min.		0.13 mm²		
Connection cross-section, stranded, max.		4 mm²		
Connection cross-section, stranded, min.		1.5 mm²		
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 mm²		
Wire connection cross section, finely stranded, min.		0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.		2.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.		0.5 mm²		
Wire connection cross-section, solid core, max.		4 mm²		
Wire connection cross-section, solid core, min.		0.5 mm²		

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

www.weidmueller.com IEC 60947-7-1

General

Rail	TS 35	Standards	www.weidmueller.com 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	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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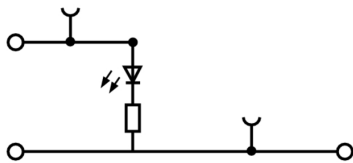
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Drawings



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