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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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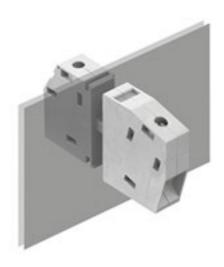


#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16 D-32758 Detmold

Germany

Fon: +49 5231 14-0 Fax: +49 5231 14-292083 www.weidmueller.com













The WGK finger-proof-insulated enclosures are especially suitable as industrial electronic enclosures for frequency converters, power supplies or filter components which offer a convenient and reliable form of connection internally and externally.

### **General ordering data**

Order No.	<u>1936510000</u>
Туре	WGK 10
Version	OMNIMATE Power - series WGK, Feedthrough terminal, Rated cross-section: 10 mm², Screw connection, Grey, Direct mounting, Feed-through (bushing)
GTIN (EAN)	4032248664375
Qty.	50 pc(s).



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### **Technical data**

### **Dimensions and weights**

Length	43.3 mm	Width	10.1 mm
Height	31.4 mm	Height of lowest version	31.4 mm
Net weight	19.78 g		

### 2 clampable conductors with identical cross-section

Wire connection cross section AWG,		Wire connection cross section AWG,	
max.	AWG 6	min.	AWG 24

### **Additional connection**

Blade size	0.8 x 4.0 mm	Clamping screw	M 4
Rated current	57 A	Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.2 Nm		

### **Conductors suitable for clamping**

•	Twin wire-end ferrules, max.	
0.5 mm <sup>2</sup>		6 mm <sup>2</sup>
0.5 mm²	Wire connection cross section AWG, max.	AWG 6
AWG 24	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm²
0.5 mm²	Wire connection cross section, finely stranded, max.	10 mm²
16 mm²	Wire connection cross section, solid core, max. rated connection	0.5 mm²
ed, 16 mm²	Wire connection cross section, strande rated connection, min.	d, 0.5 mm²
10	Stripping length	11 mm
	0.5 mm <sup>2</sup> AWG 24  0.5 mm <sup>2</sup> 16 mm <sup>2</sup>	Wire connection cross section AWG, max.  Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.  Wire connection cross section, finely stranded, max.  Wire connection cross section, finely stranded, max.  Wire connection cross section, solid core, max. rated connection  Wire connection cross section, solid core, max. rated connection  Wire connection cross section, strander rated connection, min.  Stripping length

### **Rated data to IEC**

Current at maximum wires	76 A	Pollution severity	3
Rated cross-section	10 mm²	Rated current	57 A
Rated impulse withstand voltage	6 kV	Rated voltage	250 V
Standards	IEC 60947-7-1		

### **Technical data**

Blade size	0.8 x 4.0 mm	Clamping range, rated connection, max. 16 mm <sup>2</sup>	
Clamping range, rated connection, mir	n. 0.21 mm²	Clamping screw	M 4
Gauge to IEC 60947-1	B6	Number of connections	2
Stripping length, rated connection	11 mm	Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.2 Nm		



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### **Technical data**

### **Technical specification**

Colour of insulating material	Grey	Connection direction	on side
End cover plate required		Installation advice	Direct mounting, Feed-
	No		through (bushing)
Open sides		Product family	OMNIMATE Power - series
	closed		WGK
Type of mounting	Direct mounting	<del></del>	

### **CSA** ratings data

Certificate No. (CSA)	200039-1830694	Voltage size B (CSA)	300 V
Current size B (CSA)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	24 AWG		

### **UL** ratings data

Certificate No. (cURus)		Conductor size Factory wiring n	nax.
	E60693VOL1SEC84	(cURus)	6 AWG
Conductor size Factory wiring m	nin.	Conductor size Field wiring max	k. (cURus)
(cURus)	24 AWG		6 AWG
Conductor size Field wiring min	. (cURus) 24 AWG	Current size B (cURus)	65 A
Current size C (cURus)	65 A	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

### **Material data**

Material	Wemid	Colour	Grey	
UL 94 flammability rating	V-0			

### Classifications

ETIM 3.0	EC001283	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-34	eClass 6.2	27-14-11-34
eClass 7.1	27-14-11-34		

#### Notes

Notes	<ul> <li>Metal walls: 1 #96 2 5 mm = 400 V: 2 5 #96 6 mm = 250 V: plastic walls: 1 #96 6 mm = 500 V</li> </ul>	

### **Approvals**

Approvals



ROHS Conform



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### **Drawings**

