

**Dimensions mm[inch]**  
tolerances acc. to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m

**Isometric**  
Scale 1:1  
Maßstab 1:1

**Test circuit**

**Layout**  
Top view  
Draufsicht

**Marking**  
according to EN60062/factory code  
gem. EN60062/Fertigungsstätte

Elect. Coupler Characteristic	Conditions	Min	Typ	Max	Unit
Turn-on Time 1 Ton	If=10mA,Uce=5V,RL=100 Ohm		5,5		µS
Turn-Off Time 1 Toff	If=10mA,Uce=5V,RL=100 Ohm		4,2		µS
Current Transfer Ratio Ic/If CTR	If=10 mA	0,5	0,8		
Cut-Off Frequency 1 Fco	If=10mA,Uce=5V,RL=100 Ohm		50		kHz
Insulation Resistance Input/Output	RH 45%	1.000			GOhm
Insulation Voltage Input/Output Uio		20.000			VDC
Coupling capacitance Cc			0,1		pF
Creeping Distance		34			mm
Air Path Input/Output		34			mm
Insulation Distance Emitter-Detecto		5			mm

Maximum Ratings Emitter	Conditions	Min	Typ	Max	Unit
Forward Voltage Uf	If=10 mA			1,5	V
DC Forward Current If				100	mA
Reverse Voltage Ur	Ir=100 microA			5	V
Surge Forward current Ifs	t<=10 ms			500	mA
Current Reduction		0,73			mA/°C
Power Dissipation Ptot				170	mW

Maximum Ratings Detector	Conditions	Min	Typ	Max	Unit
Collector-Emitter Voltage Vce				32	VDC
Emitter-Collector Voltage Vec				5	VDC
Collector Dark Current Iceo	Uce=20V,R=1MOhm,If=0mA			0,2	µA
Collector-Emitter Saturation Voltag	If=10 mA, Ic=1 mA		0,3		VDC
Collector Peak Current Icm				75	mA
Collector Current Ic				15	mA
Power Reduction		0,91			mW/°C
Power Dissipation Ptot				100	mW

Special Product Data	Conditions	Min	Typ	Max	Unit
Case colour				white	
Housing material				PBT glass fibre reinforced	
Reach / RoHS conformity				yes	



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Item:

**530-03-1-20**

Environmental data	Conditions	Min	Typ	Max	Unit
Ambient Temperature Ta		-40		85	°C
Storage temperature		-40		100	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Washability					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 23.05.14    Designed by: WKOVACS

Approval at: 26.05.14    Approval by: DSTASTNY

Last Change at: 16.10.14    Last Change by: DSTASTNY

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