Board 3S SKYPER 32 R Gold



Adaptor board

Order Nr. L5062901

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Features

- Two output channels
- · Gold nickel finish
- · Failure management

Typical Applications*

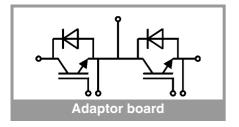
- Adaptor board for SKYPER 32 IGBT drivers in bridge circuits for industrial applications
- · PCB with gold plating
- DC bus up to 1000V

Remarks

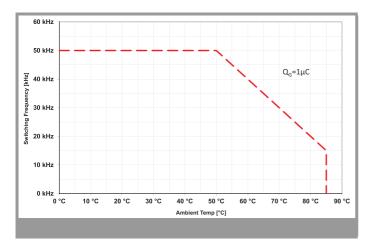
- With external high voltage diode
- Please Note: the insulation test is not performed as a series test at SEMIKRON and must be performed by the user
- According to VDE 0110-20
- Output charge can be expanded to 6,3µQ with boost capacitors
- Insulation coordination in compliance with EN50178 PD2
- Operating temperature is real ambient temperature around the driver core
- Degree of protection: IP00

Absolute Maximum Ratings						
Symbol	Conditions	Values	Unit			
Vs	Supply voltage primary	16	V			
Iout _{PEAK}	Output peak current	15	Α			
Iout _{AVmax}	Output average current	50	mA			
f _{max}	Max. switching frequency	50	kHz			
V _{CE}	Collector emitter voltage sense across the IGBT	1700	V			
V _{isol IO}	Insulation test voltage input - output (AC, rms, 2s)	4000	V			
V _{isolPD}	Partial discharge extinction voltage, rms, Q _{PD} ≤ 10pC	1200	V			
V _{isol12}	Insulation test voltage output 1 - output 2 (AC, rms, 2s)	1500	V			
R _{Gon min}	Minimum rating for external R _{Gon}	1.5	Ω			
R _{Goff min}	Minimum rating for external R _{Goff}	1.5	Ω			
T _{op}	Operating temperature	-40 85	°C			
T _{stg}	Storage temperature	-40 85	°C			

Characteristics							
Symbol	Conditions	min.	typ.	max.	Unit		
V _s	Supply voltage primary side	14.4	15	15.6	V		
V _i	Input signal voltage on / off		15/0		٧		
V _{IT+}	Input threshold voltage (HIGH)			12.3	V		
V _{IT-}	Input threshold voltage (LOW)	4.6			V		
V _{G(on)}	Turn on output voltage		15		V		
$V_{G(off)}$	Turn off output voltage		-7		V		
t _{d(on)IO}	Input-output turn-on propagation time		1.1		μs		
t _{d(off)IO}	Input-output turn-off propagation time		1.1		μs		



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This is an electrostatic discharge sensitive device (ESDS), international standard IEC 60747-1, chapter IX.

*IMPORTANT INFORMATION AND WARNINGS

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