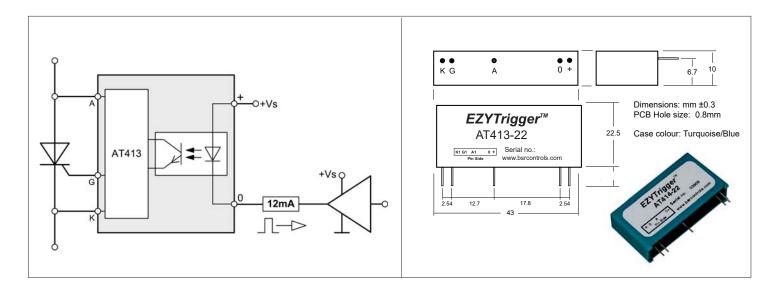


Applications:

• Single thyristor logic control applications



Absolute Maximum Ratings

8				
Parameter	Symbol	AT413 – 22		
Peak voltage – positive and negative	Vp	2200 V		
Nominal mains voltage	Vm	690 V		
Continuous DC voltage	V=	690 V		
Turn-on delay for gate current >1A	tgd	5 µs		
Input-Output isolation	Vi	6000Vrms 50Hz 1min VDE0884		
Input-Output transient immunity	(dv/dt)c	5000 V/μs		
Device transient immunity	(dv/dt)d	2000 V/µs		
Ambient temperature range	Та	-20°C to +85°C		

EZYTrigger Type

Technical Data at 25°C

200mA gate current threshold		Vgtl	16 V	
1.8A gate current threshold		Vgth	36 V	
Gate current rise time ⇔ anode voltage	⇒ 100V	(di/dt)g	1.2 A/μs	
	⇒ 200V	(di/dt)g	2 A/μs	
	⇔ 400V	(di/dt)g	2.5 A/μs	
	⇒ 800V	(di/dt)g	3 A/μs	
	⇔ 1200V	(di/dt)g	4 A/μs	
Peak gate current		lp	1.8 A	
Anode-cathoden current at peak voltage Vp		In	5.1 mA	
Maximum off-state gate current		lo	2 μΑ	
Minimum control current		lcm	7 mA	
Recommended control current		lc	12 mA	
Control input voltage drop at 12mA gate current	nt	Vin	Typ 1.2 < 1.5V	
Maximum reverse control input voltage		Vinr	6 V	
Turn-on delay time at Icontrol = 12mA		tdi	25 μs	

All components and parts used in these units have been certified by their manufacturers as RoHS Compliant | Epoxy filler is RoHS Compliant (2011/65/EU) and UL Approval meets UL94 V-0 | The Optocoupler is approved for UL1577 File No. E52744 System Code H or J, Double Protection and DIN EN 60747-5-2 (VDE0884), RoHS 2002/96/EC and WEEE (2002/96/EC) | No warranty is given for the accuracy of information stated by the respective manufacturers.

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 25.163.2453.0
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 25.350.2053.0
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 T483C
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 T554
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 25.161.3453.0
 25.194.3253.0
 25.352.1253.1

 25.326.4253.1
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