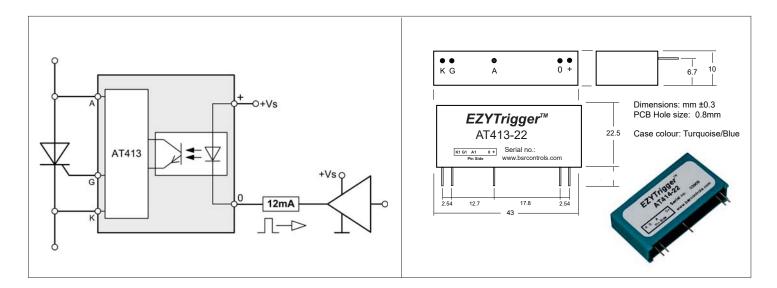


Applications:

• 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.

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Discrete Semiconductor Modules category:

Click to view products by BSR CONTROLS manufacturer:

Other Similar products are found below :

 M252511FV
 DD260N12K-A
 DD285N02K
 DD380N16A
 DD89N1600K-A
 APT2X21DC60J
 APT58M80J
 B522F-2-YEC
 MSTC90-16

 ND104N16K
 25.163.0653.1
 25.163.2453.0
 25.163.4253.0
 25.190.2053.0
 25.194.3453.0
 25.320.4853.1
 25.320.5253.1
 25.326.3253.1

 25.326.3553.1
 25.330.1653.1
 25.330.4753.1
 25.330.5253.1
 25.334.3253.1
 25.350.2053.0
 25.352.4753.1
 25.522.3253.0

 T483C
 T484C
 T485F
 T485H
 T512F-YEB
 T513F
 T514F
 T554
 T612FSE
 25.161.3453.0
 25.194.3253.0
 25.352.1253.1

 25.326.4253.1
 25.330.0953.1
 25.332.4353.1
 25.350.1653.0
 25.352.1453.0
 25.352.1653.0
 25.352.2453.0
 25.352.5453.1

 25.522.3353.0
 25.330.0953.1
 25.332.4353.1
 25.350.1653.0
 25.352.1453.0
 25.352.1653.0
 25.352.2453.0
 25.352.5453.1

 25.522.3353.0
 25.332.332.4353.1
 25.350.1653.0
 25.350.2453.0
 25.352.1653.0
 25.352.2453.0
 25.352.2453.0

 25.522.3353.0
 25.332.332.4353.1
 25.350.1653.0
 25.352.1453.0
 25.352.1653.0
 25.352.2453.0
 25.352.2453.1