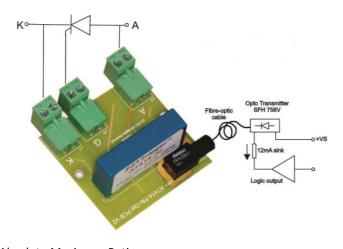


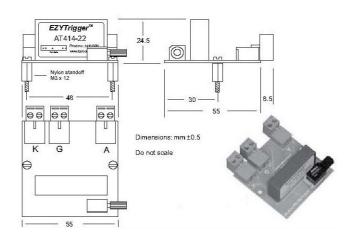
Active trigger units for firing Power Thyristors

BT 414 Line voltage 100 – 690V_{rms}

Applications:

- Ready for connection PCB Assembly with AT414-22 EZYTrigger and optical fibre receiver device
- Optical control of a single thyristor with up to 25m fibre-optic cable
- o Optical control of any thyristor type including also with amplifying gate





Absolute Maximum Ratings

EZYTrigger Type

Parameter	Symbol	AT414 – 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

Technical Data at 25°C

16 V 36 V 1.2 Α/μs
36 V
1.2 A/us
112 / 1/μ3
2 Α/μs
2.5 A/μs
3 A/μs
4 A/μs
1.8 A
5.8 mA
2 μΑ
7 mA
12 mA
Typ 1.2 < 1.5V
6 V
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.

