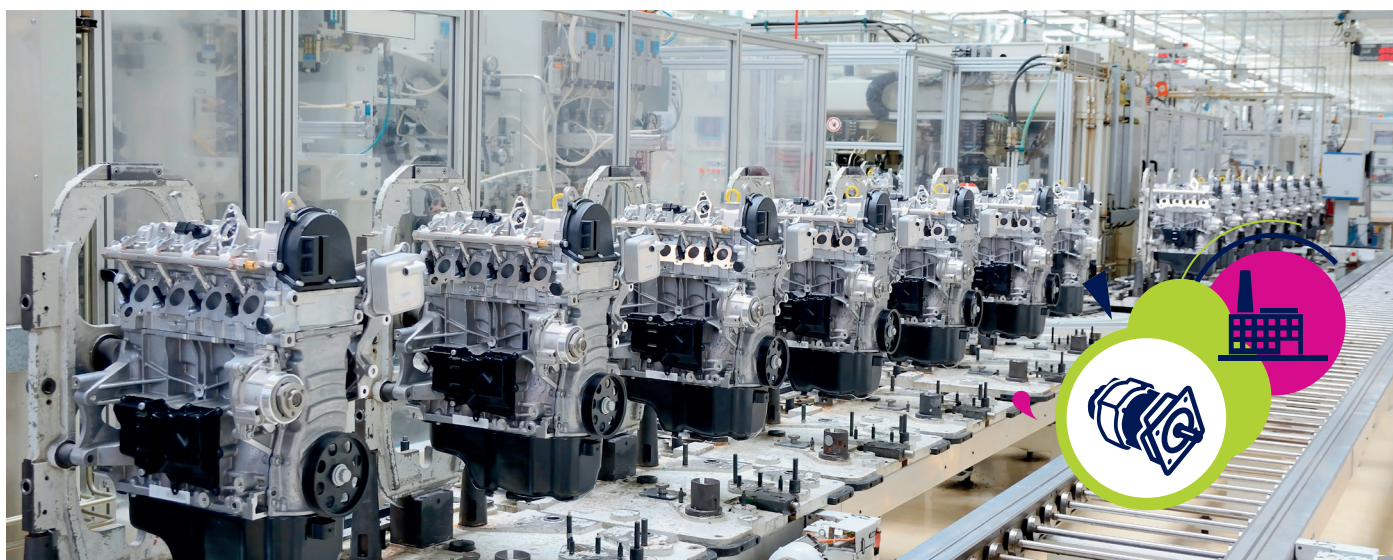


# 25 A, 1200 V SMD/Insulated Triacs Compact AC motor drive



## The first 25 A, 1200 V Triacs are ready for robust and compact motor starters or AC drives

With its peak surge current up to 240 A and a 1200 V blocking voltage, the T2550-12 Snubberless™ Triac is dedicated to industrial 3-phase AC controllers. The T2550-12I version allows a compact design and offers 2500 V isolation with a 1.7 °C/W thermal resistance. Also available in D<sup>2</sup>PAK and TO-220AB versions, its dynamic performances, 2500 V/μs immunity and 20 A/ms blocking turn off, makes this device unique for industrial applications such as motor control or heating systems.

### KEY FEATURES

- 25 A, 1200 V Triacs in TO-220AB insulated, non-insulated and D<sup>2</sup>PAK packages
- 50 mA gate triggering current ( $I_{GT}$ )
- 2500 V/μs transient noise immunity
- High turn-off performance greater than 20 A/ms
- High thermal performance  
D<sup>2</sup>PAK / TO-220AB product:  
 $R_{THJC} = 0.8$  °C/W
- TO-220AB insulated product:  
1.7 °C/W with 2500 V insulation

### KEY BENEFITS

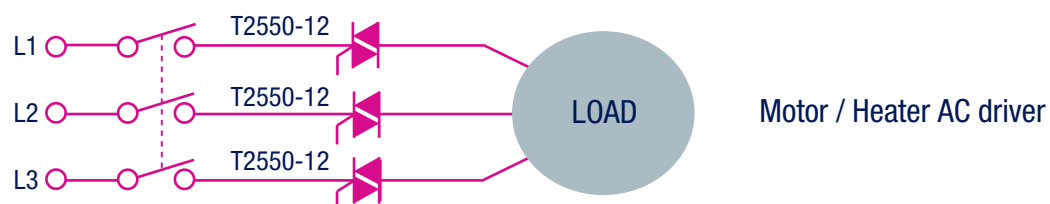
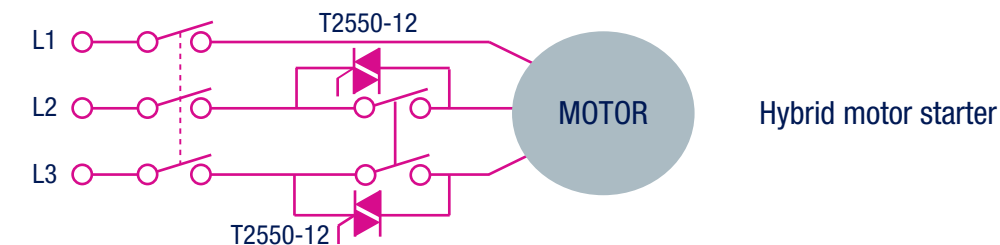
- Compact drive in SSR or rack housing
- SMD or insulated version
- Enhanced switching life expectancy  
6 million cycles at  $56 A_{RMS} / \Delta T_J = 45$  °C

### KEY APPLICATIONS

- 3-phase solid state or hybrid relays
- Industrial control up to 480 VAC
- Motor starter/reversing static contactor
- Heating, infrared lamps, or transformer system controls



## 25 A, 1200 V TRIACS IN 3-PHASE AC CONTROLLER



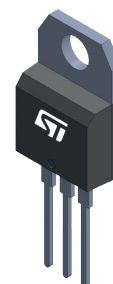
## PACKAGES



TO-220AB



D²PAK



Insulated TO-220AB

## HIGH VOLTAGE TRIACS OFFER

	D²PAK	TO-220AB	TO-220AB ins.	TOP-3NI	TOP-3I
<b>800 V</b>					
12 A	T1235-800G	T1235T-8T	BTA12-800CW		
16 A	T1635-800G	T1635T-8T	BTA16-800CW		
25 A	T2535-800G	BTB24-800BW	BTA24-800BW	BTB26-800B	BTA26-800BW
40 A				BTB41-800B	BTA41-800B
<b>1200 V</b>					
12 A			TXDV1212		
25 A	<b>T2550-12G</b>	<b>T2550-12T</b>	<b>T2550-12I</b>		TPDV1225
40 A					TPDV1240