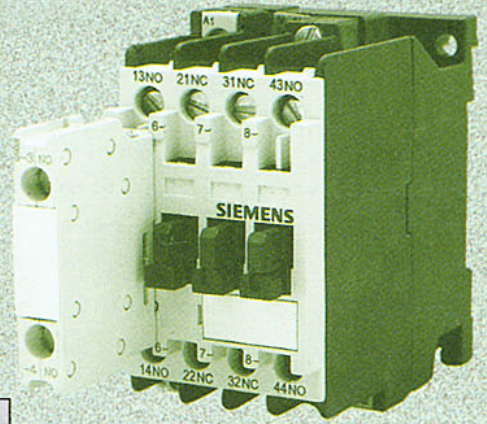
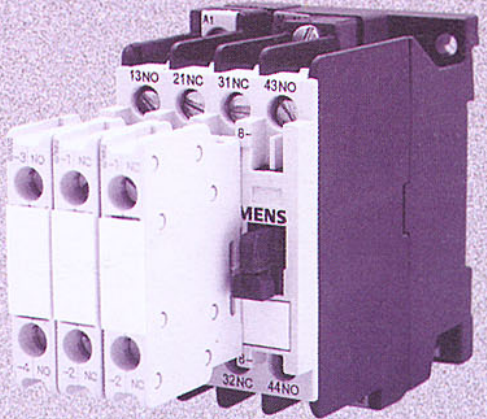
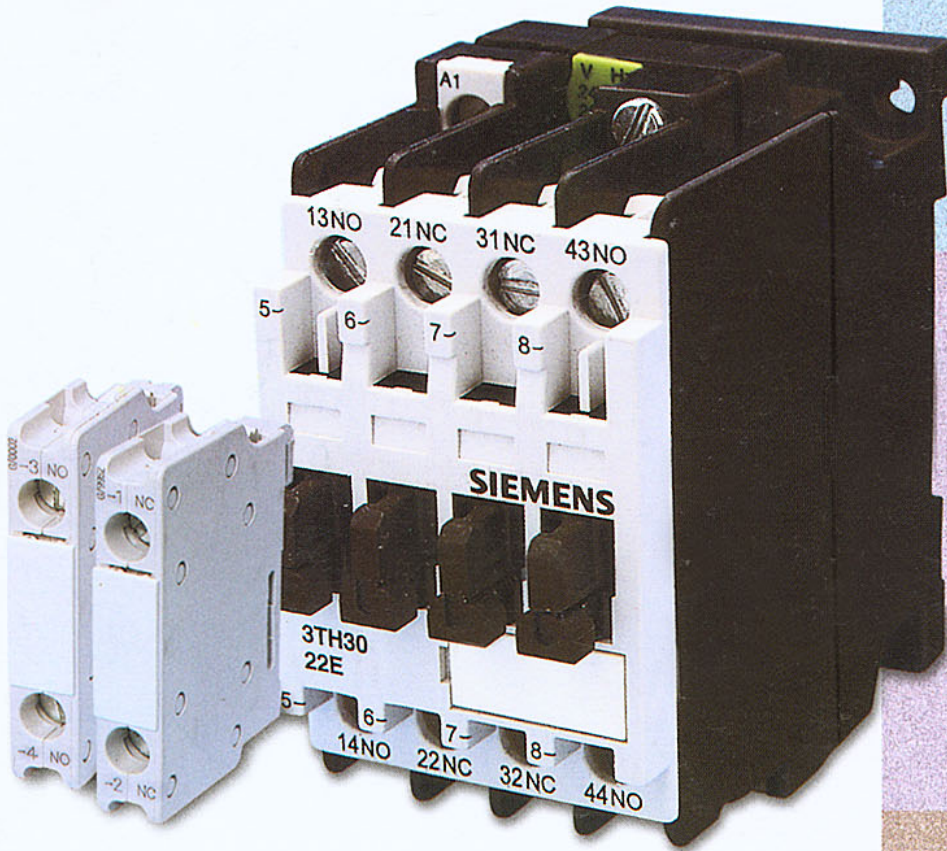
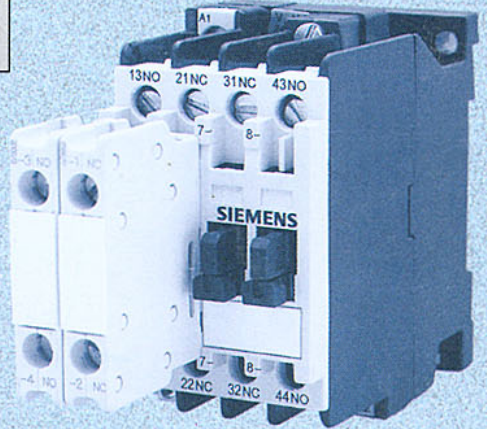


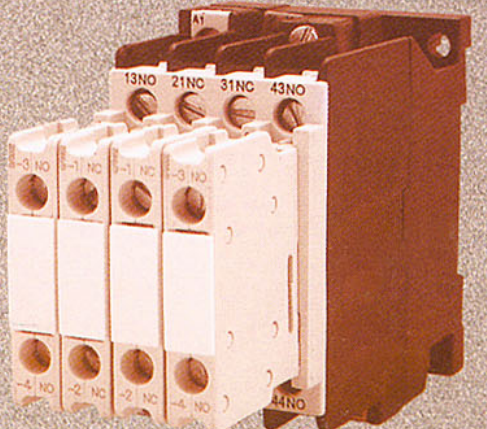
SIEMENS



SICONT^{Plus} Contactor Relays - Type 3TH30 Reliability plus Flexibility



- Unmatched reliability
- Positively driven operation
- High electrical and mechanical life



Introduction :

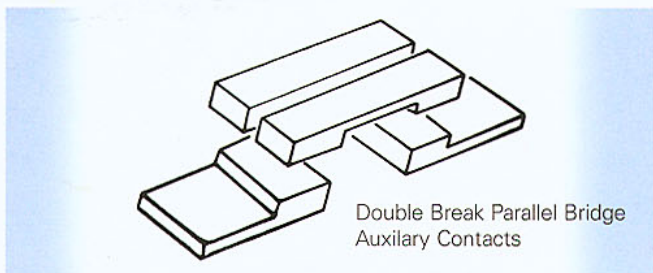
The 3TH30 are reliable & user-friendly contactor relays from the house of Siemens. They are suited for application in control circuits and for interfacing with electronic circuits.

Flexibility :

- 3TH30 contactor relays are available as 4pole basic unit. Upto 4 auxiliary contact blocks can be added to the basic unit. This offers flexibility in selection / configuring and permits modifications at site.

Reliability :

- 3TH30 have **Double Break Parallel Bridge** contact mechanism. This offers unmatched reliability (chances of 2 mal-operations in 100mill. operations as against 4460 mal-operations for single bridge contacts).
- The auxiliary contacts are suitable for switching in low voltage, low current circuits (PLC based applications and electronic circuits, 5mA at 17V DC).
- High electrical and mechanical life.



User friendly :

- 3TH30 contactor relays have the Siemens-patented SIGUT[®] termination technique which reduces the wiring time considerably and offers finger touch-proof terminals.
- Positively driven operation.** This ensures NO and NC contacts do not close at same time. This ensures operator safety even during abnormal conditions.
- Clearly marked power and auxiliary terminals, minimise wiring errors.
- Very easy coil replacement.

Installation :

The 3TH30 contactor relays are suitable for screw mounting on to a base plate or for snap mounting onto a 35mm DIN rail. The mounting dimensions are identical to that of existing 3TH80/82 contactor relays.

Selection Table

Contactor	Type Reference						
	With AC coil*			With DC coil*			
Contact arrangement	2NO+2NC	3TH30 22 0A..	3TH30 22 0B..				
	3NO+1NC	3TH30 31 0A..	3TH30 31 0B..				
	4NO	3TH30 40 0A..	3TH30 40 0B..				
* PI add coil voltage code (...)							
Coil Voltage	24	42	48	110	220	240	415
Code for AC coil	B0	D0	-	F0	M0	U0	R0
Code for DC coil	B4	D4	W4	F4	M4	-	-
Auxiliary Contact Block	Type Reference						
1NO	3TX40 10 2A						
1NC	3TX40 01 2A						
1NO extended	3TX40 10 4A						
1NC extended	3TX40 01 4A						



Technical Data

Type	3TH30	3TX40..
Standards	IS:13947-5-1, IEC947-5-1	
Rated operational Voltage	690V	
Rated Impulse withstand voltage	8kV	
Permissible ambient temp. Storage	-50 to +80°C	
Service	-25 to +55°C	
Mechanical endurance cycles	30 mill	10 mill
Rated operating current Ie/AC12/AC1	16A	10A
Rated operating current Ie/AC15/AC11 at operating voltage		
240V	10A	5.6A
415V	4A	3.6A
690V	2A	1.8A
Rated operating current Ie/DC13/DC11 at operating voltage		
24V	10 A	10 A
110V	0.9 A	0.8 A
220V	0.45A	0.2 A
440V	0.2 A	0.11A
Coil Voltage tolerance	0.8 to 1.1 x Ue	
Rated coil input		
AC operated, 50Hz Closing VA/p.f.	68 / 0.82	
When closed VAP/f.	10 / 0.29	
DC operated Closing=when closed W	6.2	
Frequency of operation at AC15/DC13 duty	cycles/hr	3600
Short circuit protection		
HRC fuse-links	16A	16A
Miniature circuit breakers, C-char.	16A	10A

Dimensions in mm

