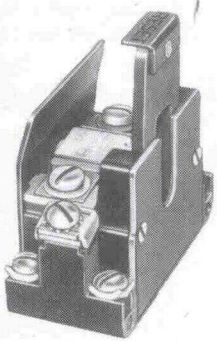


# Thermal Overload Relays - NEMA Rated

Melting Alloy  
Class 9065

**Square D**  
**www.squared.com**  
FOR CURRENT INFORMATION

13 NEMA/DEFINITE PURPOSE TYPE CONTACTORS AND STARTERS



Type CO1R

NEMA-rated Thermal Overload Relays feature:

- Exclusive One-Piece Thermal Unit
- Inverse Time Delay Trip
- Trip Free Reset Mechanism on Types F, G & S
- Replaceable Contact Units on Types F, G & S

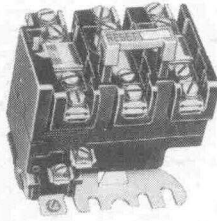
Note that the prices shown on this page do not include thermal units. Standard trip thermal units are **\$9.50** each. Slow trip (Class 30) and quick trip (Class 10) melting alloy thermal units are available for all Size 1, 2, 5 and 6, and some Size 3 and 4 applications.

## For Separate Mounting - Melting Alloy - 600 Volts Maximum, AC or DC\*

Size	Maximum Full Load Current (Amperes)	Open Type for Separate Panel Mounting			For Terminal Block Channel Mounting Order Open Type Relay and Bracket Kit Below	
		Left Hand Type	Right Hand Type	Price	Type	Price
Single Pole Construction (One N.C. Contact) — 1 Thermal Unit Required						
1	25	CO1	CO1R	\$ 28.50	...	...
2	45	TO1	TO1	41.10	...	...
3	86	UO1	UO1	54.00	...	...
4	133	FO1L	FO1R	85.00	...	...
5	266	GO11L	GO11R	345.00	...	...
Three Pole Construction (One Common N.C. Contact on Type S Only) — 3 Thermal Units Required						
1	25		SEO5	\$ 57.00	SM2	\$ 15.80
2	45		SEO8	82.00	SM2	15.80
3	86		SEO12	108.00	...	...
4	133		SEO15	171.00	...	...
5	266	Use 3 Type GO11R Relays Listed Above			...	...

\* Maximum power circuit rating for separate mounting overload relays, Types C, F, G, T and U, is 600 Vac or Vdc; Type S is 600 Vac only. Maximum control circuit contact rating for Types C, F, G, T, U and SDO18 is 600 Vac and 250 Vdc; the remaining Type S versions are 600 Vac only.

## Replacement Melting Alloy Overload Relays for Square D Class 8536 Starters



Type SE05

Locate Class 8536 Starter in this Column				Order Class 9065 Overload Relay from this Column		
NEMA Size	Type	Series	Number of Poles †	Type	Price	Number of Thermal Units Req.
00	SA	A & B	2	SDO4	\$ 38.00	1
			3	SDO5	66.00	3
0	SB	A	2	SDO4	38.00	1
			3-5	SDO5	66.00	3▲
1	SC	A	2	SDO4	38.00	1
			3-5	SDO5	66.00	3▲
1P	SC	A	2	SDO10	51.00	1
2	SD	A	2	SDO7	51.00	1
			3-5	SDO8	92.00	3▲
3	SE	A	2	SDO11	63.00	1
			3	SDO12	117.00	3
			4	SDO13	117.00	2
			5	SDO14	117.00	3
4	SF	A	3	SDO15	184.00	3
			4	SDO16	184.00	2
			5	SDO17	184.00	3
5	SG	A	3‡	SDO18	345.00	1
6	SH	A & B	3	Form Y500 use SE05	57.00	3
				SE05	57.00	3

▲ For 4-pole starters used on two phase systems order 2 thermal units plus one Class 9998 Type SO31 jumper strap kit for every two starters. Each kit includes two jumper straps.

† 3 and 4-pole starters use one L.H. and one R.H. relay. 2-pole starters use one L.H. relay.

‡ Type S Size 5 starters use three Type SDO18 overload relays per starter.

## Special Features for Melting Alloy Types

	Form	Price
Substitute 1-N.O. isolated alarm contact and 1-N.C. contact per relay. (Type S starters only) ▼	Y342▼	\$ 79.00
Substitute 2-N.C. contacts for standard N.C. contact per relay. (Type S starters only)	Y344▼	79.00
Modify Type U relay to accept Type FB quick trip or SB slow trip thermal units. (Accepts Type C standard trip)	Y21●	N.C.
Modify Type SDO12 relays to accept Type FB quick trip or SB slow trip thermal units, and Type F, and Type SDO15 relays to accept Type FB quick trip thermal units. (Rejects Type CC standard trip units)	Y81●	N.C.

● This form cannot be field modified.

▼ Field modification possible. Order 9999 S04 (for Form Y342) or 9999 S05 (for Form Y344).

For additional information, reference Catalog # 9065CT9701 or D-FAX™ # 1522.

