



Features	Benefits
■ Trip Classes - 5, 10, 20, or 30 Selectable by DIP-switches	Field changeable reduces time and inventory. Suitable for light, normal and heavy starting conditions
Phase Loss Protection - Trips in less than 3 Seconds	Protects motor burn out and minimizes motor heating up
Phase Unbalance - Trips based on Trip Class selected	Minimizes temperature rise of the motor on a asymmetrical three-phase-system
Ground Fault - Trips 60% of Motor Current	 Provides optimum system protection of motors against high-resistance short-circuits or ground faults due to moisture, condensation, damage of insulation or any other reason
■ Trip Indicator - Visible	Save time, faster to identify overload Trip
Ambient Insensitive	Prevents nuisance tripping
No Heaters Required	Saves cost and eliminates time for installation of heaters
Self-Powered - No outside source required	Reduce cost for external power supply
■ FLA dial with wide Adjustment - 4:1 ratio	Provides wide range, reduces inventory
 Self Protected in short circuit condition (when used with proper fuses or motor starter protector) 	Unlike bimetal overloads, this eliminates replacement of the overload heaters after short circuit
Test Button - Tests Electronics	Tests the complete electronic functions including the trip mechanism. Increases up time
Thermal Memory	Prevents re-starting motor when it is still hot
Conformally coated circuit board	Resists against environmental conditions
1 NO and 1NC Contacts Standard. B600, R300	Makes it easier for user to wire local contacts
■ Operating Temperature: -25 °C - 65 °C	Wide operating temperature range prevents nuisance tripping with temperature changes
■ Repeat Accuracy <1%.	For more precise settings and reduced nuisance tripping
Removable Terminal Block	Terminal Block can be removed without removing wires. Saves time for replacements
Automatic reset	 Auto. Reset is 3 minutes after tripping, allowing motor to cool down before re-start. If Manual Reset is selected, overload can be reset immediately
Remote reset	 As an alternative to the mechanical RESET options, an electrical remote RESET can be used by applying 24 V DC to terminals A3 and A4
DIN Rail Mounted	Reduces installation time
Touch - Safe Terminals	Protects against accidental touching of live circuits
■ UL listed CSA certified	Third party approval standard



3-Phase, 48ATC3S00

Ordering Information

- ► For CT's see Accessories page 17-51.
- ▶ Dimensions see page 17-122.
- To retrofit or direct mount to a contactor, order 49ASMP1, 2, or 3 separately. See Retrofit Plates below.
- ► For remote mounting of frame size A order 49ASMS1 terminals separately, see page 17-97.

Solid State—Class 48

Current Adjustment Range	Phase	Frame Size	Catalog Number	MRPD/MLFB	List Price \$
0.25–1	3	"A"	48ATA3S00	3UB81134AB2	
0.75–3.4	3	"A"	48ATB3S00	3UB81134BB2	
3–12	3	"A1"	48ATC3S00	3UB81234CW2	
5.5–22	3	"A1"	48ATD3S00	3UB81234DW2	
10–40	3	"A1"	48ATE3S00	3UB81234EW2	
13–52	3	"B"	48BTF3S00	3UB81334FW2	
25–100	3	"B"	48BTG3S00	3UB81334GW2	
50–200	3	"B"	48BTH3S00	3UB81334HW2	
100–300	3	"A1" ②	48ATJ3S00	3UB81234JW2	
133–400	3	"A1" ®	48ATK3S00	3UB81234KW2	
200–600	3	"A1" [@]	48ATL3S00	3UB81234LW2	
250-750	3	"A1" ⑦	48ATM3S00	3UB81234MW2	
400-1220	3	"A1" ⑤	48ATN3S00	3UB81234NW2	
0.25–1	1	"A"	48ATA1S00	3UB88134AB2	
0.75–3.4	1	"A"	48ATB1S00	3UB88134BB2	
3–12	1	"A1"	48ATC1S00	3UB88234CW2	
5.5–22	1	"A1"	48ATD1S00	3UB88234DW2	

Solid State—3RB20636, 3-Phase, Manual/Auto Reset

For Contactor Size	Setting Range Amps	Class 10 Catalog Number	List Price S	Class 20 Catalog Number	List Price \$
5	55 - 250	3RB2066-1GC2		3RB2066-2GC2	
6	160 - 630	3RB2066-1MC2		3RB2066-2MC2	

Retrofit Plates for Contactors, Class 48

Replacement for Starter Sizes	ESP200 Overload Frame Size ^①	Retrofit Plate Suffix	Plate Kit Separate	Price Adder \$
Size 00–1¾	A or A1	1P	49ASMP1	
Size 2, 2½	В	2P	49ASMP2	
Size 3, 3½	В	3P	49ASMP3	
Size 4	В	4P	49ASMP3	

Ambient Compensated Bimetal—Open Type Class 48 Single Phase, 3-Phase (Panel Mount Only)

Poles	Amp Rating	Auxiliary Contacts	Contact Rating	Catalog Number	List Price \$
1	25 60 100 180	1 NC 1 NC 1 NC 1 NC	5A (B600) & 5A (P300)	48DA18AA4 48GA18AA4 48HA18AA4 48JA18AA4	
3	30 30 60 60	1 NC 1 NO/NC 1 NC 1 NO/NC	10A (A600) & 5A (P300)	48DC38AA4 48DC39AA4 48GC38AA4 48GC39AA4	
	100 180	3 NC 3 NC	5A (B600) & 5A (P300)	48HA38AA4 48JA38AA4	

- ① To determine frame size of replacement solid state overload, refer to retrofit plates table above.
- ② Requires use of 300:5 Current Transformers–3 of 97CT005.

 ③ Product Category: IEC.

- Requires use of 600:5 Current Transformers–3 of 97CT008.
- ⑤ Requires use of 1200:5 Current Transformers-3 of
- ⑥ Overload has busbar connections.
- 7 Requires use of 750:5 Current Transformers-3 of 97CT009.
- ® Requires use of 400:5 Current Transformers-3 of 97CT006.