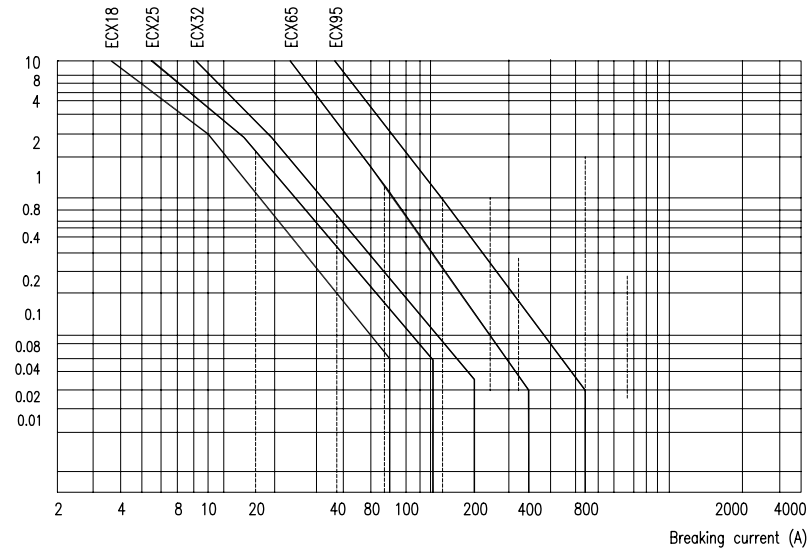
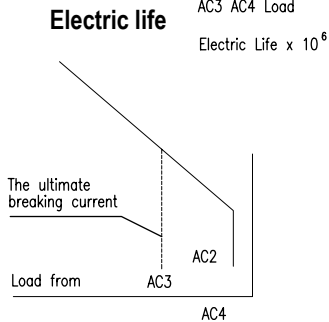




ECX CONTACTORS – Technical Data



Breaking current (A)	ECX18	ECX25	ECX32	ECX65	ECX95
220V	0.55	0.75	1.1	2.2	3
380V	0.55	0.55	2.2	3	4
440V	1.1	1.5	2.2	3	4

General

Certificates CB, ESC, PCT, UKREST, UL, VDE
 Electric Ratings AC 50/60Hz, 660V, 95A
 Utilization Category AC-3, AC-4
 Standards IEC 60947-4-1, GB14048.4

Operating Conditions

Temperature (celsius) -5C ~ +40C; the average value should not exceed 35C
 Altitude not to exceed 2000m
 Pollution Grade Grade III
 Air Conditions RH not to exceed 50% @ +40C
 Mounting Conditions +/- 5 degrees from vertical plane

Technical Parameters

Type		ECX18	ECX25*	ECX32	ECX65	ECX95	
Rated Operational Current (A)	380V	AC-3	18	25	32	65	95
		AC-4	7.7	7.5	12	28	44
	660V	AC-3	12	18	21	42	49
		AC-4	3.8	4.4	7.5	14	21.3
Conventional heating current (A)		32	40	50	80	110	
Rated insulation voltage(V)		660	660	660	660	660	
Power of controlled 3-phase cage motor (AC-3) (kW)	220V	4.0	5.5	7.5	18.5	25	
	380V	8	11	15	30	45	
	660V	10	15	18.5	37	45	
Operating frequency (operation/hour)	Electrical Life	AC-3	1200	1200	600	600	600
	AC-4	300	300	300	300	300	
Electrical life (10 ³ operations)	AC-3	1,000	1,000	800	600	600	
	AC-4	200	200	200	150	100	
Mechanical life (10 ³ operations)		10,000	10,000	8,000	8,000	6,000	
Matched fuse		RT16-40	RT16-40	RT16-50	RT16-80	RT16-125	
	Piece	1-2	1 2	1 2	1 2	1 2	
	Solid wire with cold-pressed socket	4	4 4	4 4	16 16	50 25	
	Cabling Solid wire without cold-pressed socket	6	10 6	10 6	25 16	50 35	
	Hardwire	6	6 6	6 6	25 -	50 -	

Action range Pick-up voltage: 85%~110%Us, releasing voltage: 20%~75%Us

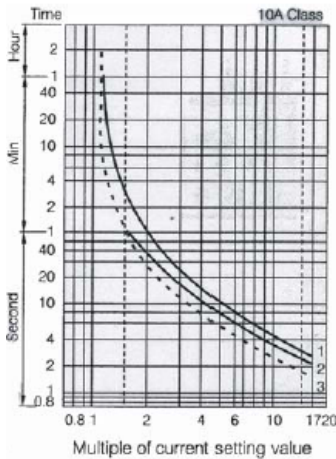
Specifications of coil

Type		ECX18	ECX25*	ECX32	ECX65	ECX95	
Coil Power	50Hz	Pick-up (VA)	70	110	110	200	200
		Holding (VA)	8	11	11	20	20
		Power(W)	1.8-2.7	3-4	3-4	6-10	6-10

* Available only in 4 pole version

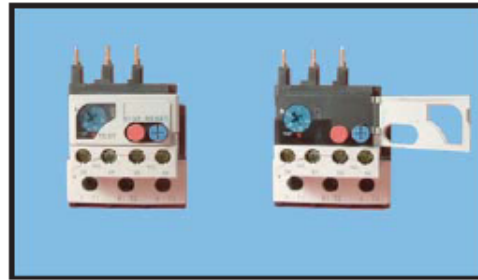


ECX OVERLOADS – Technical Data



Protection Curve

1. Balance operation, three phase, start from the cold status.
2. Balance operation, two phase, start from the cold status.
3. Balance operation, three phase, start from the heat status.



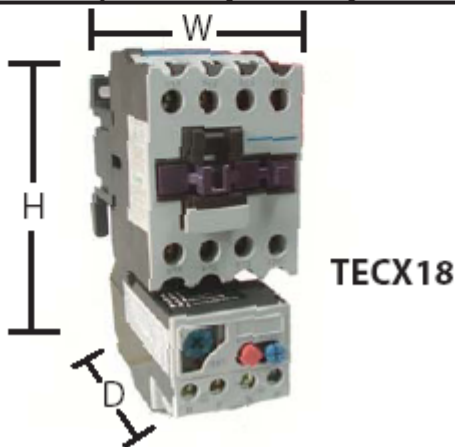
Closed
ECX23 - 32A

Sealable Overload
Amp Setting
Window Open

Overload Relay Features

- 1) Trip indicator window (turns yellow when tripped)
- 2) Stop button opens N.C. contacts 95/96
- 3) Depressing the test button causes the yellow indicator to appear, and changes the contacts to their opposite state (N.O. closes + N.C. opens). The reset button then changes them back.
- 4) Reset button resets a tripped overload.

Dimensions for TECX Starters			
mm/inches	H	x W	x D
TECX 18	118 (4.65")	45 (1.77")	100 (3.94")
TECX 32	140 (5.51")	56 (2.20")	100 (3.94")
TECX 65	180 (7.09")	75 (2.95")	126 (4.96")
TECX 95	180 (7.09")	80 (3.15")	130 (5.12")



Part#	Plugs into Contactors
ECX - 4-63A	ECX 18 + ECX 32
ECX -63-1A	
ECX - 1-1.6A	
ECX - 1.25-2A	
ECX -1.6-2.5A	
ECX -2.5-4A	
ECX -4-6A	
ECX -5.5-8A	
ECX -7-10A	
ECX -9-13A	
ECX -12-18A	
ECX -17-25A	
ECX -23-32A	ECX 32
ECX -28-36A	ECX 65 ECX 95
ECX95-23-32A	
ECX -30-40A	
ECX -37-50A	
ECX -48-65A	
ECX -63-80A	
ECX -80-93A	

- Reliable Motor Protection
- Precise factory set and tested heaters
- Both N.O. (Alarm) and N.C. (trip) Contacts
- Plug on / bolt on to contactor design
- Tolerance short circuit 5KA RMS SYM.,600V Max

- Ambient compensated overloads from -4°F to +122°F permitting no false tripping within temp range.
- Sealable setting overload for critical applications
- Nema Class 10 design for "T" frame motors
- Accepts Ring Terminals up to 36 Amps