



**COMPONENT-MATERIAL  
SPECIFICATION**

Part No.	800-097-SUF (70-74)
Ref. Code	403
U.O.M.	EA
Engg. Ref.	AP/UP/AC/UC/CH/AD

Part Description : 3 POLE THERMAL OVERLOAD RELAYS

**VENDOR** : TELEMECANIQUE / SCHNEIDER

N1-1

POLE : 3

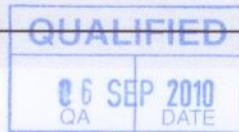
PRODUCT APPROVAL : UL

OPERATING AMBIENT : -20 DEG C TO +60 DEG C

SUFF. No	REV. No.	VENDOR MODEL	RELAY AMP SETTING RANGE	CONTACTOR MODEL REFERENCE ONLY
70	00	LRD - 325	17 - 25AMP	LC1-D40A.... D65A
71	00	LRD - 332	23 - 32AMP	LC1-D40A.... D65A
72	00	LRD - 340	30 - 40AMP	LC1-D40A.... D65A
73	00	LRD - 350	37 - 50AMP	LC1-D40A.... D65A
74	00	LRD - 365	48 - 65AMP	LC1-D50A.... D65A

**Environment**

Conforming to standards		IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 508, CSA C22.2 n° 14. ATEX directive 94/9/EC (1)
Product certifications		UL, CSA, CCC, GOST ATEX INERIS (1). GL, DNV, RINA, BV, LROS (2).
Degree of protection	Conforming to VDE 0106	Protection against direct finger contact IP 2X
Protective treatment	Conforming to IEC 60068	"TH"
Ambient air temperature around the device	Storage	°C -60...+70
	Normal operation, without derating (IEC 60947-4-1)	°C -20...+60
	Minimum /maximum operating temperatures (with derating)	°C -40...+70
Operating positions without derating	In relation to normal vertical mounting plane	Any position. When mounting on a vertical rail, use a stop.
Flame resistance	Conforming to UL 94	V1
	Conforming to IEC 60695-2-1	°C 850
Shock resistance	Permissible acceleration conforming to IEC 60068-2-7	15 gn - 11 ms
Vibration resistance (3)	Permissible acceleration conforming to IEC 60068-2-6	6 gn
Dielectric strength at 50 Hz	Conforming to IEC 60255-5	kV 6
Surge withstand	Conforming to IEC 60801-5	kV 6



**NOTE:**

1. FOR CONTACTOR FITTING SELECTION, REFER TO THE CONTACTOR MODEL COLUMN.
2. ALL OLR MUST HAVE THE UL MARK, VENDOR MODEL AND NAME ON ITS LABEL.
3. ALL OLR MUST HAVE THE AUX CONTACT (1NO + 1NC) WHEN DELIVERY.
4. ALL OLR MUST BE CLASS 10 OR 10A.

ALL DIMENSIONS ARE IN mm (BRACKET DIMENSIONS ARE IN INCHES)		SHEET 1 of 2		SCALE : N.T.S	
Tolerance: : Unless noted ( ± ) : fraction 1/32" ; Decimal 0.031		WRITER	AL-ALI HUSAIN		
		INITIATOR	JESSIE		
		ENG. CHECK	JESSIE		
		VERIFIED	M.KHAWALDEH		
		APPROVED	FAWAZ AL-BITAR		
		Issue Date	29-08-2010		
REV	Revision Details	Designer	Rev.Date	File Ref.	Ziicnas\Eng-Specs\800\09770-74



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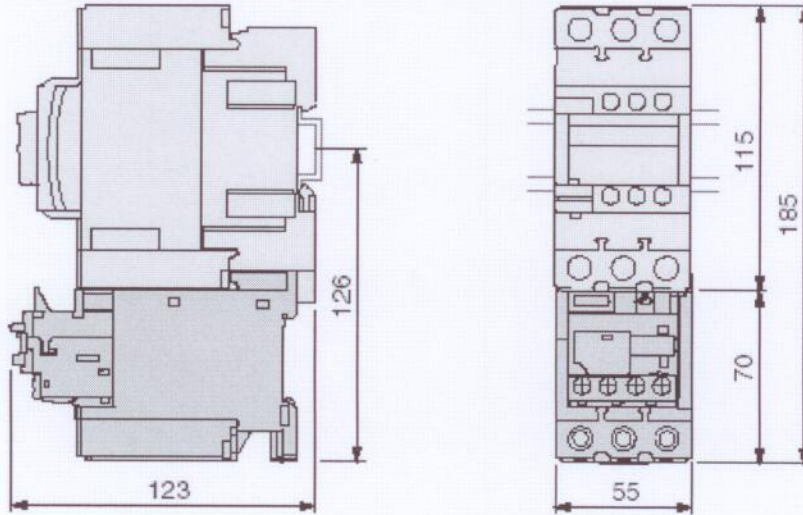
Part Description : 3 POLE THERMAL OVERLOAD RELAYS

Dimensions,  
mounting

N1-2

### LRD 313 ...365

Direct mounting beneath contactors LC1 D40A...D65A  
with screw clamp connections or EverLink® connectors



Relay setting range (A)	Fuses to be used with selected relay			For use with contactor LC1	Reference	Weight kg
	aM (A)	gG (A)	BS88 (A)			
<b>Class 10 A (1) for connection by EverLink® BTR screw connectors (3)</b>						
9...13	16	25	25	D40A...D65A	LRD 313	0.375
12...18	20	32	35	D40A...D65A	LRD 318	0.375
17...25	25	50	50	D40A...D65A	LRD 325	0.375
23...32	40	63	63	D40A...D65A	LRD 332	0.375
30...40	40	80	80	D40A...D65A	LRD 340	0.375
37...50	63	100	100	D40A...D65A	LRD 350	0.375
48...65	63	100	100	D50A and D65A	LRD 365	0.375

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current  $I_R$  :

class 10 A: between 2 and 10 seconds

(2) Independent mounting of the contactor.

(3) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LAD ALLEN4**, see page 5/85).



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