

TECHNICAL SPECIFICATION

Low voltage contactors LT1-F



Description:

The contactors LT 1- F are alternating current contactors used to control circuits and consumers operating in normal working conditions with switching on / off the consumer and dirty working environment. They are suitable for consumers with electrical power consumption from 115A to 800A.

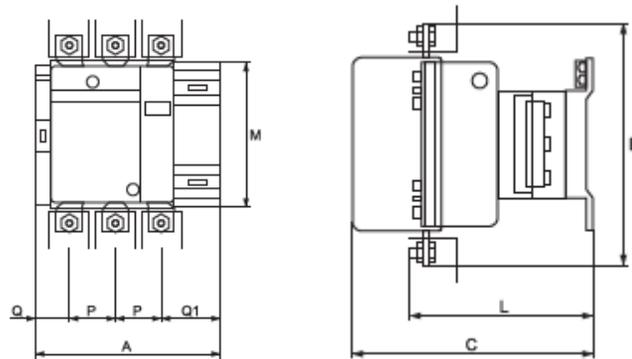
Functions:

- frequently switching on/off heavy-loaded electrical circuits at controlling signal to the coil
- making of systems for consumers' control
- used as an operating element in process control panels
- remarkable with high reliability of current characteristics
- reliable separation of power contactors
- secured cover of the movable part of the contactor

Technical data:

- Operation class: utilization category AC-3
- Rated operating voltage of power contactors: up to 1000V; 50/60Hz
- Composition of the power contact surfaces: unalloyed copper with coating 80% AgSnO
- Surge voltage wear resistance: >8000V
- Coil composition: pure coil copper QA-1 type
- Magnetic core composition: steel alloy 360
- Movable part composition: bakelite
- Limits of the controlling coil voltage: operating range of coil
- Joining terminal: screw terminal
- Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
 - rail
- Electrical wear resistance (number of cycles): ≥ 10000000
- Mechanical wear resistance (number of cycles): ≥ 10000000
- Number of cycles (switching on) per hour: 200
- Pole leaking power: from 16 to 80W
 - Mounting: vertical gradient – maximum $\pm 10^{\circ}\text{C}$; with bolts to the surface
- Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- Ambient temperature: $-10^{\circ}\text{C} + 65^{\circ}\text{C}$
- Altitude: up to 2000m

Dimensions:



Type	A	B	C	L	M	Q	Q1	P
LT 1 F150	163.5	170	171	107	150	26	57.5	40
LT 1 F225	168.5	197	181	113.5	172	21	51.5	48
LT 1 F265	201.5	203	181	141	178	39	66.5	48
LT 1 F400	213	206	219	145	182	43	74	48
LT 1 F630	309	304	255	155	264	60	89	80
LT 1 F800	309	304	255	155	264	60	89	80

Type number	Motor rated capacity							Power consumption of the coil(VA)		Rated current in AC-3 440V to up	Tightening moment (N/m)	Packing / Box (pcs)
	220V 230V	380V 400V	415V	440V	500V	660V 690V	1000 V	close d	open			
LT1 – F115	30	55	59	59	59	80	60	45	550	115A	18	1 / 4
LT1 – F150	40	75	80	80	90	100	65	45	550	150A	25	1 / 4
LT1 – F225	63	110	110	110	129	129	100	55	805	225A	35	1 / 2
LT1 – F265	75	132	140	140	160	160	147	10	700	265A	35	1 / 2
LT1 – F400	110	200	220	250	257	280	185	18	1000	400A	50	1 / 1
LT1 – F630	200	335	375	400	400	450	450	25	1500	630A	50	1 / 1
LT1 – F800	250	450	450	450	450	475	450	15	1300	800A	50	1 / 1

Type number	Catalogue number according to the coil voltage						
	230V	400V	12V	24V	36V	48V	110V
LT1 – F115	23111	23112	23113	23114	23115	23116	23117
LT1 – F150	23151	23152	23153	23154	23155	23156	23157
LT1 – F225	23861	23862	23863	23864	23865	23866	23867
LT1 – F265	23261	23262	23263	23264	23265	23266	23267
LT1 – F400	23751	23752					
LT1 – F630	23771	23772					
LT1 – F800	23881	23882					

Standards:

Standard EN 60947-1; EN 60 947-4-1

The products are in accordance with the directives of EC
“Low voltage directives (LVD) no. 2006/95/EC” and
“Electromagnetic Compatibility Directives (EMC) no. 2004/108/EC”.

