

HLP1 DC Contactor



Documents corresponding to the product:

Standard
EN60947-1 EN 60947-4-1

The products are in accordance with the directives of EC "Low voltage directives (LVD) no. 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC".

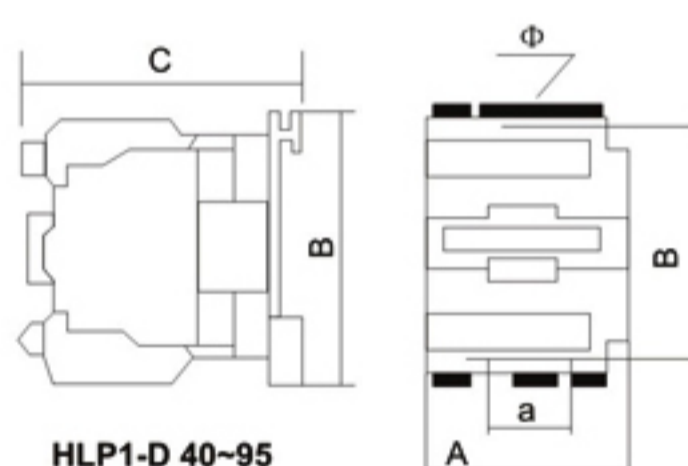
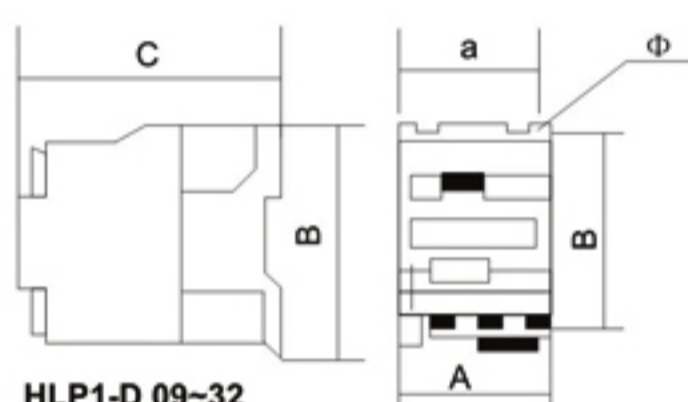
The contactors HLP1 D are alternating current contactors with DC coil for control. The power plugs of the contactor are designed for control of alternating current circuits and consumers operating in normal operating class AC-3 with frequently switching on/off the consumer and dirty working environment. The contactors are suitable for consumers with electrical power consumption from 9A to 95A.

Functions

- switching on/off alternating current consumers in direct current controlling schemes 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 contacts
- secured cover of the movable part of the contactor

Technical Data

- * Rated operating voltage of the controlling coil; from 12V DC to 220V DC
- * Rated operating voltage of the power circuit: up to 690V DC
- * Insulation voltage: 690V
- * Surge voltage wear resistance: >8000V
- * Limits of the controlling coil voltage: from 0.8 to 1.15Uc
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- * Electrical wear resistance (number of cycles): 10000000
- * Mechanical wear resistance (number of cycles): 10000000
- * Number of cycles per hour: 1200 up to 32A; 600 for 40-95A
- * Pole leaking power: up to 13W
- * Mounting:
 - on DIN-rail or
 - with bolts to the surface
 - mounting position: vertical gradient maximum $\pm 5^\circ$
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C to $+60^\circ\text{C}$
- * Altitude: up to 2000m



Dimensions

Type	A max(mm)	Bmax(mm)	C(MM)	a(mm)	b(mm)
HLP1 D0910	47	76	95	34/35	50/60
HLP1 D1210	47	76	95	34/35	50/60
HLP1 D1810	47	76	95	34/35	50
HLP1 D02510	57	86	101	40	50
HLP1 D3210	57	86	101	40	50
HLP1 D4011	77	129	176	40	100
HLP1 D5011	77	129	176	40	100
HLP1 D6511	77	129	176	40	100
HLP1 D9511	87	129	182	40	100

Type	Rated current(A)	Auxiliary contact (PCS.)	Rated capacity of the consumer(kw)				
			230V	400V	415V	440V	690V
HLP1 D0910	9	1NO	2.2	4	4	4	5.5
HLP1 D1210	12	1NO	3	5.5	5.5	5.5	7.5
HLP1 D1810	18	1NO	4	7.5	7.5	7.5	10
HLP1 D2510	25	1NO	5.5	11	11	11	15
HLP1 D3210	32	1NO	7.5	15	15	15	18.5
HLP1 D4011	40	1NO+1NC	11	18.5	18.5	18.5	30
HLP1 D5011	50	1NO+1NC	15	22	22	22	33
HLP1 D6511	65	1NO+1NC	18.5	30	30	30	37
HLP1 D9511	95	1NO+1NC	25	45	45	45	45
HLP1 F115	115	1NO	30	55	59	59	80
HLP1 F150	150	1NO	40	75	80	80	100
HLP1 F225	225	1NO	63	110	110	110	129