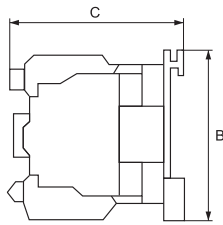
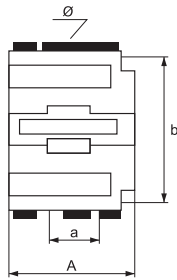


**Documents corresponding to the product:**

Standard EN60947-1; EN 60947-4-1



LP1-D 09~95

**LOW VOLTAGE CONTACTORS WITH DIRECT CURRENT COIL LP1-D**

The contactors LP1 D are alternating current contactors with DC operating of 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 225A.

**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 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: operating range of coil
- 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
- with bolts to the surface
- mounting position: vertical gradient – maximum ± 5°
- Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- Ambient temperature: -10°C + 65°C
- Altitude: up to 2000m

Type	Overall dimensions (mm)				
	A	B	C	a	b
LP 1 D0910	47	76	95	34/35	50/60
LP 1 D1210	47	76	95	34/35	50/60
LP 1 D1810	47	76	95	34/35	50
LP 1 D2510	57	86	101	40	50
LP 1 D3210	57	86	101	40	50
LP 1 D4011	77	129	176	40	100
LP 1 D5011	77	129	176	40	100
LP 1 D6511	77	129	176	40	100
LP 1 D9511	87	129	182	40	100
LP 1 F115	163.5	170	171	40	150
LP 1 F150	163.5	170	171	40	150
LP 1 F225	168.5	197	181	48	172

Type	Rated current (A)	Auxiliary contact (pcs.)	Rated capacity of the consumer (kW)					Packing/Box (pcs)	Product category	Catalogue number according to the coil voltage (V DC)					
			230V	400V	415V	440V	690V			12V	24V	36V	48V	110V	230V
LP 1 D0910	9	1NO	2.20	4.00	4.00	4.00	5.50	1/40	B	<b>23962</b>	<b>23098</b>	<b>23130</b>	<b>23971</b>	<b>23980</b>	<b>23139</b>
LP 1 D1210	12	1NO	3.00	5.50	5.50	5.50	7.50	1/40	B	<b>23963</b>	<b>23128</b>	<b>23131</b>	<b>23972</b>	<b>23981</b>	<b>23140</b>
LP 1 D1810	18	1NO	4.00	7.50	7.50	7.50	10.0	1/30	B	<b>23964</b>	<b>23188</b>	<b>23132</b>	<b>23973</b>	<b>23982</b>	<b>23141</b>
LP 1 D2510	25	1NO	5.50	11.0	11.0	11.0	15.0	1/20	B	<b>23925</b>	<b>23258</b>	<b>23133</b>	<b>23974</b>	<b>23983</b>	<b>23142</b>
LP 1 D3210	32	1NO	7.50	15.0	15.0	15.0	18.5	1/30	B	<b>23966</b>	<b>23328</b>	<b>23134</b>	<b>23975</b>	<b>23984</b>	<b>23143</b>
LP 1 D4011	40	1NO+1NC	11.0	18.5	18.5	18.5	30.0	1/10	B	<b>23967</b>	<b>23408</b>	<b>23135</b>	<b>23976</b>	<b>23985</b>	<b>23144</b>
LP 1 D5011	50	1NO+1NC	15.0	22.0	22.0	22.0	33.0	1/10	B	<b>23968</b>	<b>23508</b>	<b>23136</b>	<b>23977</b>	<b>23986</b>	<b>23145</b>
LP 1 D6511	65	1NO+1NC	18.5	30.0	30.0	30.0	37.0	1/10	B	<b>23969</b>	<b>23658</b>	<b>23137</b>	<b>23978</b>	<b>23987</b>	<b>23146</b>
LP 1 D9511	95	1NO+1NC	25.0	45.0	45.0	45.0	45.0	1/10	B	<b>23970</b>	<b>23958</b>	<b>23138</b>	<b>23979</b>	<b>23988</b>	<b>23147</b>
LP 1 F115	115	1NO	30.0	55.0	59.0	59.0	80.0	1/4	B		<b>23118*</b>	<b>23914</b>	<b>23917</b>	<b>23989</b>	<b>23148</b>
LP 1 F150	150	1NO	40.0	75.0	80.0	80.0	100	1/4	B		<b>23158*</b>	<b>23915</b>	<b>23918</b>	<b>23990</b>	<b>23149</b>
LP 1 F225	225	1NO	63.0	110	110	110	129	1/2	B			<b>23916</b>	<b>23919</b>	<b>23994</b>	<b>23201</b>