1.4.3 Interface unit BC

Utilization

The BC interface unit enables the controlling of a contactor coil by the DC output of a PLC. The coil suppressor is inherent, the green LED indicates operation.

Standards

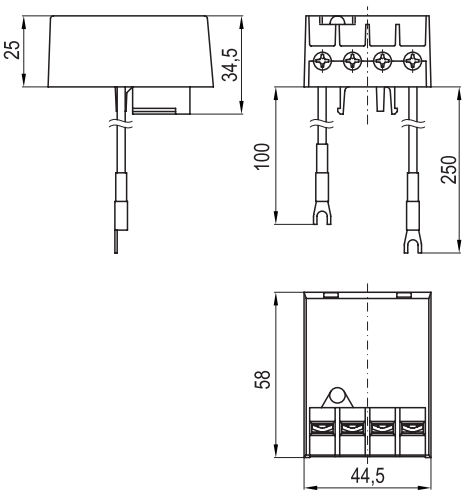
EN 61010, EN 60947-5-1, EN 60730-1

Table-No. 10a – Rating



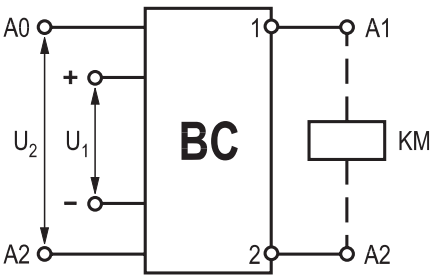
Type	BC05	BC06	BC12	BC24	BC48	BC60
Rated insulation voltage U_i [V]	300	300	300	300	300	300
Impulse withstand voltage U_{imp} [kV]	6	6	6	6	6	6
Nominal input control voltage U_1 [V]	5	6	12	24	48	60
Max. contactor coil control voltage AC/DC [V]	250	250	250	250	250	250
Max. input consumption power P_1 [W]	0,3	0,3	0,35	0,45	0,6	0,7
Rated operational current I_e (AC-15) at 230 V [A]	0,4	0,4	0,4	0,4	0,4	0,4
Electrical durability by controlling of contactors series C, max. 3.600 op. cycles per hour [op. cycles]	10^7	10^7	10^7	10^7	10^7	10^7
Dimensions [mm]	44,3 x 33,3 x 57,7					
Mass [kg]	0,04					
Degree of protection (output wires connected)	IP20/IP10					

Outline drawing



Wiring diagram

U_2 – (A0, A2) contactor coil control voltage
U_1 – (+, –) input control voltage
KM – (A_1, A_2) contactor coil



Mounting

The BC unit can be mounted to the upper side lock of the contactor body through the use of two resilient elements and one rigid fixing element.

Example of order

Type	pcs
BC05	15 pcs