

PCD7.L250 Coupling Module

Description

These coupling modules serve as secure potential separation between logic and load. They are provided with a manual control facility with feedback signal for the switch position and a LED for status indication. They are equipped with screw type terminal blocks (lift system) providing an easy and rapid wire connection.

Technical Data

Input

nominal voltage UN	24 V AC/DC
power consumption	13 mA
nominal voltage tolerance	±10 %
fuse	max. 2 A
protective circuitry	free-wheeling diode
operating indicator	LED, red
response time	10 ms
release time	5 ms

Switch

switching power max.	48 V / 50 mA AC/DC
switching power min.	20 mV / 1 µA AC
mechanical endurance	6x10 ⁴ switchings
test voltage	500 V, 50 Hz, 1 min.

Output

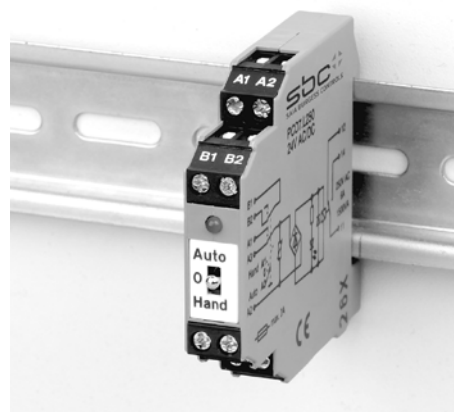
output contact	1 changeover contact
contact material	AgNi
switching voltage max.	250 V AC/DC
making current max.	8 A
continuous current	6 A
breaking capacity	24 V DC / 150 W
(resistive load)	50 V DC / 25 W
	230 V DC / 50 W
	230 V AC / 1500 VA
	24 V DC / 20 mA
switching power min.	24 V DC / 20 mA
mechanical endurance	2x10 ⁷ switching cycles
electrical endurance	
at max. switching load	1x10 ⁵ switching cycles
switching frequency max.	
at max. current	600 switching cycles/h
isolation per VDE 0110	
rated voltage	250 V
berspannungskategorie	III
pollution degree	2
test voltage coil/contact	2000 V AC, 50 Hz, 1 min

Temperature range

operating temperature range	-20 °C ... +55 °C
storage temperature range	-25 °C ... +70 °C

Housing

type of protection (EN 60529)	
housing	IP50
terminal blocks	IP20
wire cross section	2.5 mm ²
mounting position	any
colour	green
weight	45 g
housing dimensions WxHxL	11.2 x 60 x 60 mm
modular	without spacing
mounting	Standard rail TH35 per IEC 60715



Wiring

A1	A2
B1	B2
11	A3
12	14

A1 - A2
A3 - A2
operating voltage
B1 - B2
switching contact
11 - 12 - 14
output contact
1 changeover

Wiring diagram

