

PCD7.L260 Coupling Module

Description

The coupling module PCD7.L260 is designed to perform a two-stage motor control function. To minimize stress on the drive system when the motor is switched from stage 2 to stage 1, stage 2 is first shut off and stage 1 only engaged after a delay of <60 ms. A manual control facility including timing function is incorporated for servicing purposes.

Technical Data

Input

nominal voltage U_N 24 V AC/DC
 operating voltage range 0.9 ... 1.1 × U_N
 power consumption max. 30 mA
 input current at contacts B1/B2 max. 4 mA
 response time 20 ms
 release time 20 ms
 minimum turn-on time 2 s
 delay stage 2 to stage 1 <60 ms
 operating indicator 2 LED, red

Output

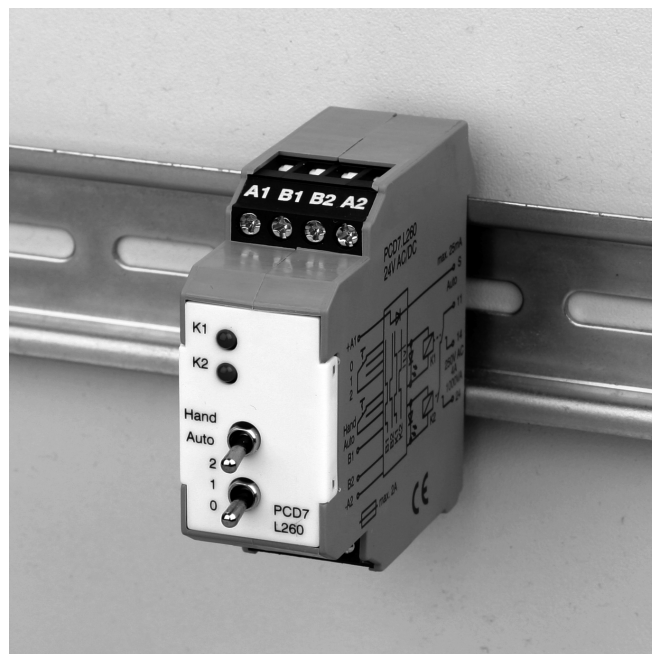
output contact 1 changeover contact with zero position
 contact material AgNi
 switching voltage max. 250 V AC/DC
 making current 6 A
 breaking current 6 A
 continuous current 4 A
 mechanical endurance 1×10^7 switching cycles
 electrical endurance 1×10^5 switching cycles
 switching frequency max. 1200 switching cycles/h
 isolation per VDE 0110 rated voltage 250 V
 overvoltage category 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) IP50
 housing IP20
 terminal blocks 2.5 mm²
 wire cross section any
 mounting position green
 colour 70 g
 weight 22.5 × 60 × 60 mm
 housing dimensions WxHxL without spacing
 modular Standard rail TH35 per IEC 60715
 mounting



Wiring

A1	B1	B2	A2
24	11	14	S

A1 - A2 operating voltage 24 V AC/DC
 B1 - B2 control inputs
 11 - 14 - 24 output contact 1 changeover
 S manual checkback function

Wiring diagram

