

## Features

- Dc Contactors
- Compact
- Protected
- Silver Contacts
- Small size
- 180A

## RS PRO Dc Contactors

RS Stock No.: 0782196



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

This contactors' range, compact but powerful, has been designed to be suitable for the traction and material handling fields using direct current. Such contactors can be applied to lift trucks, industrial cleaning machines, various services on board of ships and boats, as well as to road and rail transport vehicles.

## Mechanical Specifications

|                                                  |                                 |
|--------------------------------------------------|---------------------------------|
| Nominal operating current at 50%<br>Current 100% | Ie 180A<br>I <sub>Th</sub> 150A |
| Nominal voltage                                  | Ue 12V/24V                      |
| Breaking capacity with 15 ms time constant       | 720A                            |
| Category of usage                                | DC5                             |
| Working voltage limits                           | 0,7-1,1V <sub>n</sub>           |
| Coil power dissipation                           | 20W                             |
| Operating time pull-in time                      | 30ms                            |
| Operating drop-out time                          | 10ms                            |
| Max. torque at terminal board                    | 6 Nm                            |
| Mechanical life op.n.                            | 2x10 <sup>6</sup>               |
| Main contacts                                    | 1NA                             |

## Protection Category

|                   |      |
|-------------------|------|
| Protection degree | IP40 |
|-------------------|------|

## Approvals

|                                |                                  |
|--------------------------------|----------------------------------|
| Compliance with EEC Directives | 2014/35/UE 2006/42/CE 2014/30/UE |
| Compliance with Rules          | EN 60947-4-1 EN 60529 EN 60204-1 |
| Approval                       | CE                               |

## Coils

The d.c. coils feature terminals with 6 mm connections

Standard duty is :

- Intermittent operation (80 %) option A
- Continuous operating ( 100% ) option P
- Normalized voltage is : 12 Vdc or 24Vdc

## Integral Protection

The cover is completely protected from oil, water and dust.

## Main Contacts

The contactors have silver alloy double breaking contacts, resistant to arc, suitable for heavy duty.

## Correct Use

The used contactors have fast drop-out time (8 msec) and relatively long pull-in times (approx. 25 msec).

In this way, safe reversals can be carried out the risk of the contacts being closed at the same time.

The use of suppressor diodes, however, increases drop-out time, and therefore it is important to choose the most suitable type of suppressor (diode+resistor).

## Code and type

| Code    | Standard type                                                    |
|---------|------------------------------------------------------------------|
| 0782196 | RS PRO DC Contactor 1NO 180A power prolonged duty V12dc ITh 150A |
| 0782197 | RS PRO DC Contactor 1NO 180A power prolonged duty V24dc ITh 150A |

## Technical data



