DATA SHEET

distribution boards

DPB 32 01-010

mobile distribution board with full rubber housing and integrated residual current protection

Article number 09931301

Function

Devices in the 'full rubber distribution board' product class feature a high protection class and are therefore especially suitable for use in harsh environments, e.g. outdoors. The housing material ensures that they are extremely resistant to impact and effects from liquids. The Doepke Protection Box (DPB) ensures the safe operation of devices with frequency converter-controlled drives when the design of the upstream residual current device is unknown. Installations where the upstream protective measure is unknown or is insufficient (e.g. type A residual current protection) can be protected in an AC-DC sensitive manner using the integrated residual current circuit-breaker. The DPB therefore offers a safe solution for monitoring residual currents not equal to the power frequency or smooth direct residual currents, which may occur when operating frequency-controlled machines, without having to replace the protective measures in the existing installation areas. The mobile design of the DPB is especially suitable for protecting electrical consumers used in changing locations, e.g. on construction sites.

Features

portable, compact full rubber distribution board for frequency-controlled equipment, Designs in 16 A, 32 A and 16 A/32 A (changeable), low tripping thresholds of direct residual currents less than 6 mA, High temperature range thanks to heavy duty design, unbreakable, non-ageing, acid and alkali resistant housing, meets the requirements of BG Bau (employers' mutual insurance association for the construction industry in Germany)

Mounting

mobile fixed housing

Applications

The DPBs can be used anywhere where mobile personal protection and the protection of frequency-controlled equipment are required, e.g. on construction sites as a building-site distribution board for cranes, concrete mixers, etc.

Notes

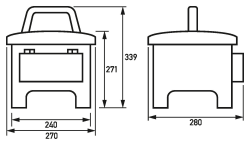
For full rubber distribution boards with changeable outputs, only one of these outputs is active at any time.

Technical Data

Technical Data	DPB 32 01-010
Series	DPB 32 01-010
Integrated switching devices	DFS 4 B SK MI HD 30 mA
Rated power factor RDF	1
max. Conditional short-circuit current Icc	10 kA
high influence by	petrol, ethylene chloride, ASTM fuels, xylene, trichloroethylene, sulphuric acid, hydrochloric acid
	supply
Rated voltage (AC)	230 V, 400 V
Rated current In	32 A
Rated frequency	50 Hz
	load output
Rated voltage (AC)	230 V, 400 V
Rated current (AC)	32 A
Rated frequency	50 Hz
	CEE plug 32 A right (supply)

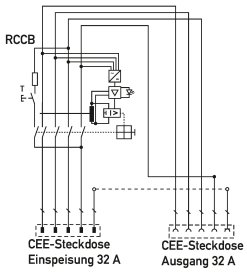
Technical Data	DPB 32 01-010
Cable type	H07RN-F 5G6
Connection design	male
max. Connection C1 cable length	2 m
	CEE socket 32 A front (load output)
Connection design	female
	General data
Duty cycle	continuous operation
Housing type	full rubber housing
Installation type	portable, stackable
Housing material	rubber
Protection class	IP44
Width	270 mm
Height	339 mm
Depth	280 mm
Weight	8.34 kg
Design requirements/Standards	DGUV information 203-006 (BGI 608), IEC 61439-4, IEC 62262
Protection class according to EN 60335	II

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram