



PRODUCT-DETAILS

EPD24-TB-101-10A

Protection Devices for DC Load Circuits



General Information	
Extended Product Type	EPD24-TB-101-10A
Product ID	2CDE601101R2010
EAN	4016779830102
Catalog Description	Protection Devices for DC Load Circuits
Long Description	The EPD24 protection devices expand ABB's product portfolio of DIN rail mounted devices with electronic overcurrent protection modules for selective protection of 24 V DC load circuits. Faults in individual branches caused by overload or short circuit are detected and selectively switched off so that other load current paths remain unaffected by the fault. In this way straightforward, quick troubleshooting is made possible.

Technical	
Standards	UL 2367 recognized CSA 22.2 UL1604
Product Compatibility	Compatible with inductive load through suitable external free-wheeling circuit
Rated Voltage (U _r)	24 V DC
Operational Voltage	Maximum 18..32 V DC

Rated Current (I _n)	10 A
Maximum Load Capacity	20000 µF
Power Loss	2.22 W
Output Signal	Operating condition: 13-14 closed Fault condition: 13; Potential-free auxiliary contact max. 30 V DC/0.5 A, min. 10 V DC/10 mA.
Number of Auxiliary Contacts NO	1
Number of Channels	1
Signal Indication Fault (LED)	Red
Tightening Torque	Auxiliary Circuit 0.5 N-m L/N Terminals 1.5-1.8_NU N-m
Screw Terminal Type	Cable Clamp
Trip Type	Electronic
Housing Material	Moulded
Status Indicator	Yes
Additional Information	Backup fuse for EPD24 not required
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Recommended Screw Driver	Screw Slot
Accessories Available	Yes
Output	Power MOSFET switching output (positive switching) without galvanic isolation
Remarks	Parallel connection of outputs not permissible
Color	dark grey, RAL 7012
	96 hrs/95% RH/40 °C to IEC 60068-2-78, test Cab. climate class 3K3 to EN 60721

Material Compliance

RoHS Information	2CDK444004D0401
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20191001
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	Housing IP20 Terminals IP20
Pollution Degree	2

Dimensions

Product Net Width	12.5 mm
Product Net Height	80 mm
Product Net Depth / Length	83 mm
Product Net Weight	65 g

Ordering	
Package Level 1 Units	box 4 piece
Package Level 1 Gross Weight	0.366 kg
E-Number (Norway)	1655087
E-Number (Sweden)	2063007

Certificates and Declarations	
Declaration of Conformity - CE	2CDK444004D0401
Certification Agency	CSA UKCA

Installation	
Instructions and Manuals	2CDC444002D0201

Popular Downloads	
Data Sheet, Technical Information	9AKK106930A8017
Data Sheet, Technical Information (Part 2)	2CDC444002D0201
Time-Current Characteristic Curve	9AKK108467A8030

Classifications	
ETIM 8	EC003538 - Device circuit breaker
ETIM 9	EC003538 - Device circuit breaker
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	8536 30 10
UNSPSC	39121636
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4991 >> Current limiter
Object Classification Code	F

Accessories				
Identifier	Description	Type	Quantity	Unit Of Measure
2CDE605200R0021	Protection Devices for DC Load Circuits	EPD-SB21	10	piece
2CDE605100R0500	Protection Devices for DC Load Circuits	EPD-BB500	10	piece

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Protection and Safety Devices → Protection Devices for DC Load Circuits

