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Device circuit breaker boards for twelve thermomagnetic (CB TM1...) or electronic (CB E1... NO) circuit breakers with group remote signaling, central supply, connection for relay contacts, and potential distribution for up to four loads per channel.

Your advantages

- Reduced installation time thanks to multi-channel device Circuit Breakers Board (4/8/12 channels)
- Fuse protection of up to 12 A per channel provides best possible protection for connected loads

- High current carrying capacity of the board supports supply of up to 60 A
- Maximum overcurrent protection over long cable paths thanks to device circuit breakers with SFB characteristic curve or electronic device circuit breakers



Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 935371
GTIN	4046356935371
Weight per Piece (excluding packing)	584.900 g
Custom tariff number	85363090
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	127.8 mm
Width	232 mm
Depth	70.8 mm

Ambient conditions



Technical data

Ambient conditions

Ambient temperature (operation)	-30 °C 60 °C (at 48 A, see derating)
Ambient temperature (storage/transport)	-30 °C 80 °C
Humidity test	96 h, 93 % RH, 40 °C
Degree of protection	IP20 (Terminal blocks and fuse holders)
	IP00 (PCB)

General

Flammability rating according to UL 94	V0
Mounting type	DIN rail: 35 mm
Number of positions	1
Overvoltage category	II
Protection class	III
Degree of pollution	2
Туре	DIN rail module, two-section, divisible

Electrical data

Rated voltage main circuit	24 V DC
Rated current main circuit	60 A DC (total)
	12 A DC (per channel)
Rated voltage remote indication circuit	24 V DC
Rated current remote indication circuit	0.5 A DC
Rated surge voltage	0.5 kV
Short circuit stability	600 A (conditional according to DIN EN 50178)
Power dissipation	4.5 W (without circuit breaker)
Insertion/withdrawal cycles	50

Connection data

Connection name	Supply X21
Connection method	Push-in connection
Stripping length	18 mm
Conductor cross section solid	0.75 mm² 16 mm²
Conductor cross section AWG	20 4
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.75 mm² 10 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.75 mm² 16 mm²
Connection name	Outputs X1 X12
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 2.5 mm²
Connection name	Remote signaling X31



Technical data

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 2.5 mm²

Standards and Regulations

Standards/specifications	DIN EN 50178 1997
	DIN EN 61000-6-2:2005
	DIN EN 61000-6-3:2007+A1:2011
	DIN EN 60068-2-6

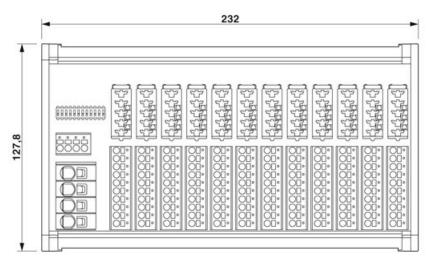
Environmental Product Compliance

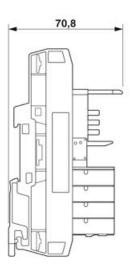
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



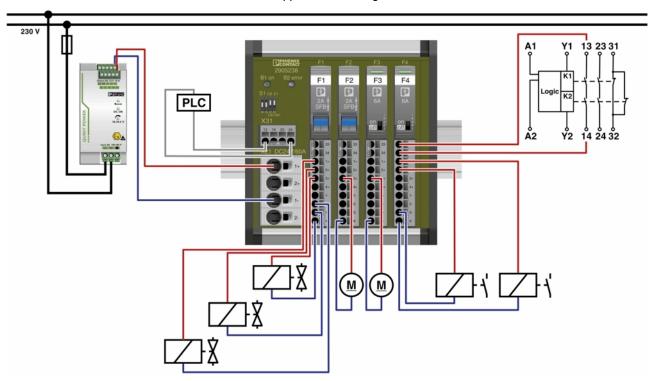
Dimensional drawing





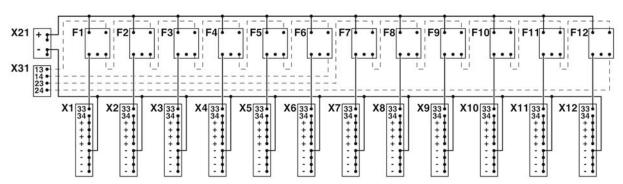


Application drawing





Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116
eCl@ss 9.0	27141116

ETIM

ETIM 4.0	EC000899
ETIM 5.0	EC000899
ETIM 6.0	EC000899
ETIM 7.0	EC000899

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410



Classifications

UNSPSC			
UNSPSC 21.0		39121410	
Approvals			
Approvals			
Approvals			
EAC			
Ex Approvals			
Approval details			
EAC	EAC		RU C- DE.A*30.B01561

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