SIEMENS

Data sheet 3RB2036-1QD0

	Overload relay 6...25 A For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw terminal Auxiliary circuit: Spring-type terminal Manual-Automatic-Reset !!! Phased-out product !!! Successor is SIRIUS 3RB3 Preferred successor type is >>3RB3026-1QE0<<
product brand name	SIRIUS
product designation	solid-state overload relay
General technical data	
size of contactor can be combined company-specific	S2
power loss [W] for rated value of the current at AC in hot operating state	0.05 W
● per pole	0.02 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance	15g / 11 ms
type of protection	PTB 06 ATEX 3001 Ex II (2) GD
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity during operation	100 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	6 ... 25 A
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
● at 24 V	4 A
● at 110 V	4 A
● at 120 V	4 A
● at 125 V	4 A
● at 230 V	3 A
operational current of auxiliary contacts at DC-13	
● at 24 V	2 A
● at 60 V	0.55 A
● at 110 V	0.3 A
● at 125 V	0.3 A
● at 220 V	0.11 A
Protective and monitoring functions	
trip class	CLASS 10E
Short-circuit protection	
design of the fuse link	
● for short-circuit protection of the auxiliary switch required	fuse gL/gG: 6 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	Contactor mounting
height	92 mm

width	55 mm
depth	109 mm
required spacing	
● with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
● for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
● for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	
● for main current circuit	screw-type terminals
● for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections for main contacts	
● solid	2x (1 ... 16 mm²)
● stranded	2x (max. 25 mm²), 1 ... 35 mm²
● finely stranded with core end processing	2x (1 ... 16 mm²), 1 ... 25 mm²
type of connectable conductor cross-sections	
● for auxiliary contacts	
— solid	2x (0.25 ... 1.5 mm²)
— finely stranded with core end processing	2x (0.25 ... 1.5 mm²)
● for AWG cables for auxiliary contacts	2x (24 ... 16)
Electromagnetic compatibility	
conducted interference	
● due to burst according to IEC 61000-4-4	2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
● due to conductor-earth surge according to IEC 61000-4-5	2 kV (line to earth) corresponds to degree of severity 3
● due to conductor-conductor surge according to IEC 61000-4-5	1 kV (line to line) corresponds to degree of severity 3
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge

Approvals Certificates

General Product Approval					EMV
CSA	CCC	Confirmation	UL	EAC	RCM

For use in hazard-ous locations	Declaration of Conformity		Test Certificates		Marine / Shipping
ATEX	EG-Konf.	UKCA	Type Test Certific-ates/Test Report	Special Test Certific-ate	ABS

Marine / Shipping	other

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB2036-1QD0

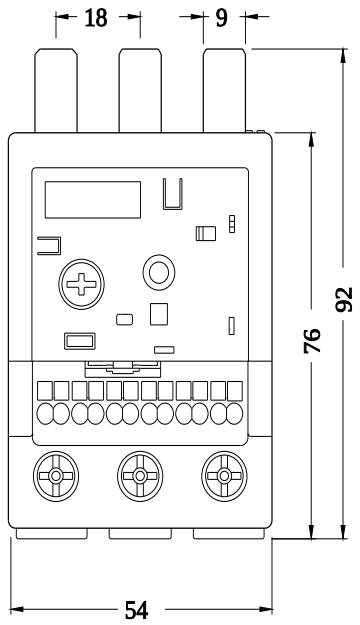
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB2036-1QD0

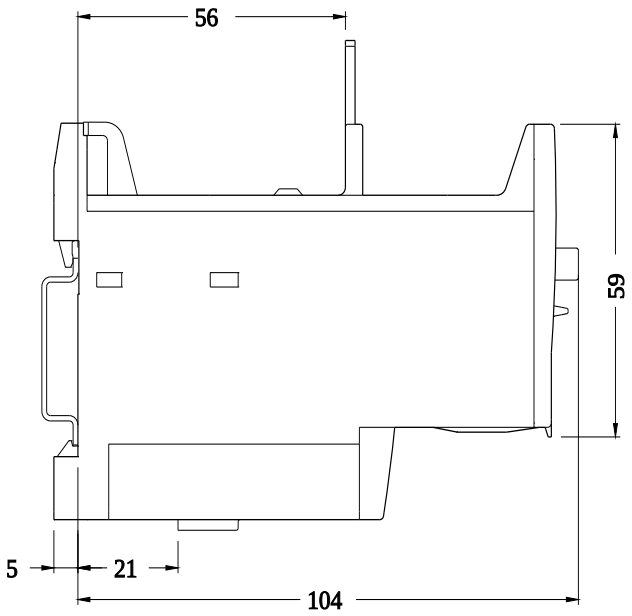
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RB2036-1QD0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB2036-1QD0&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RB2036-1QD0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB2036-1QD0&objecttype=14&gridview=view1





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