



Circuit breaker size S2 for motor protection, Class 10 A-release 28...40 A
Short-circuit release 520 A Screw terminal with integrated auxiliary switch
!!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor
type is >>3RV2031-4UA15<<

product brand name	SIRIUS
product designation	circuit breaker
design of the product	for motor protection

General technical data

product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
• at AC in hot operating state	29 W
• at AC in hot operating state per pole	9.7 W
surge voltage resistance rated value	6 000 V
protection class IP on the front	IP20
shock resistance	25g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	50 000
continuous current rated value	40 A
Substance Prohibitance (Date)	07/01/2006

Ambient conditions

installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C

Main circuit

number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	28 ... 40 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	40 A
operating power at AC-3	
• at 400 V rated value	18.5 kW
operating frequency at AC-3 maximum	15 1/h

Auxiliary circuit

design of the auxiliary switch	transverse
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A

Protective and monitoring functions			
product function <ul style="list-style-type: none"> • ground fault detection • phase failure detection trip class	No Yes CLASS 10		
maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value 	100 kA 50 kA 10 kA 4 kA		
Short-circuit protection			
design of the overcurrent release and short-circuit release	thermomagnetic		
Installation/ mounting/ dimensions			
mounting position fastening method height width depth required spacing with side-by-side mounting <ul style="list-style-type: none"> • backwards • at the side 	any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 140 mm 55 mm 149 mm 0 mm 0 mm		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit type of electrical connection <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing • at AWG cables for main contacts type of connectable conductor cross-sections <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts 	No screw-type terminals with box terminals screw-type terminals front side 2x (0.75 ... 16 mm²) 2x (0.75 ... 25 mm²), 1x (0.75 ... 35 mm²) 2x (0.75 ... 16 mm²), 0.75 ... 25 mm² 2x (18 ... 2), 1x (18 ... 2) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (18 ... 14)		
Safety related data			
touch protection against electrical shock	finger-safe		
Certificates/ approvals			
<table> <tr> <td>General Product Approval</td><td>For use in hazardous locations</td></tr> </table>		General Product Approval	For use in hazardous locations
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[Confirmation](#)



For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)




[Miscellaneous](#)
[Confirmation](#)


Railway

[Special Test Certificate](#)

Further information

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=3RV1031-4FA15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1031-4FA15>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1031-4FA15>

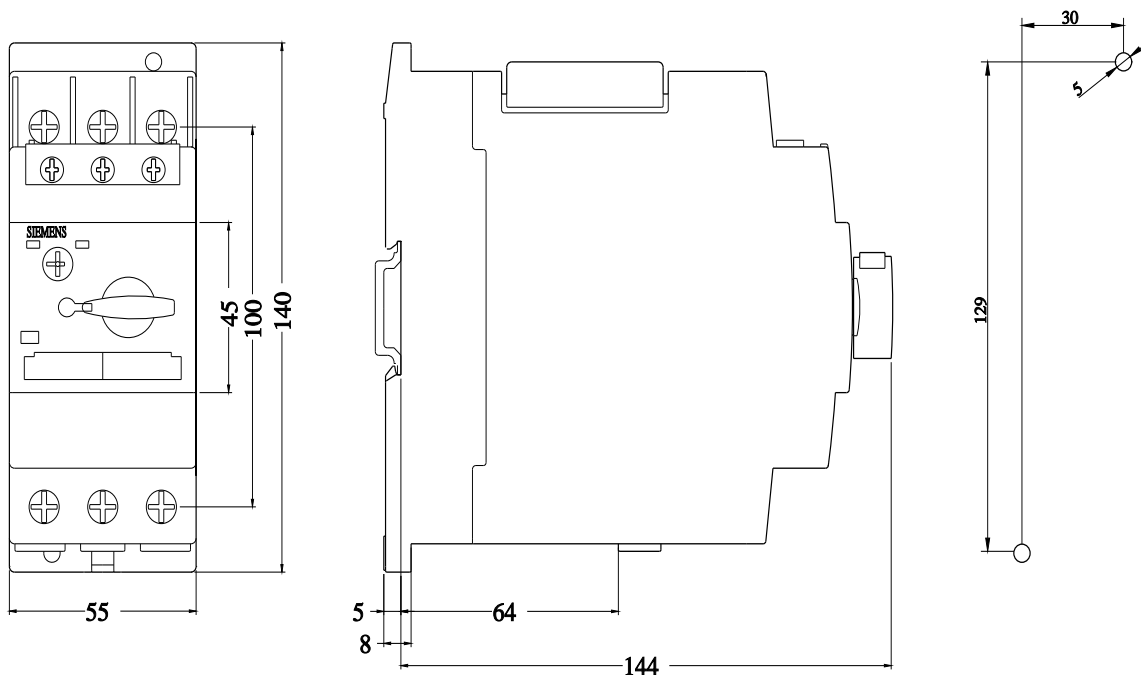
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

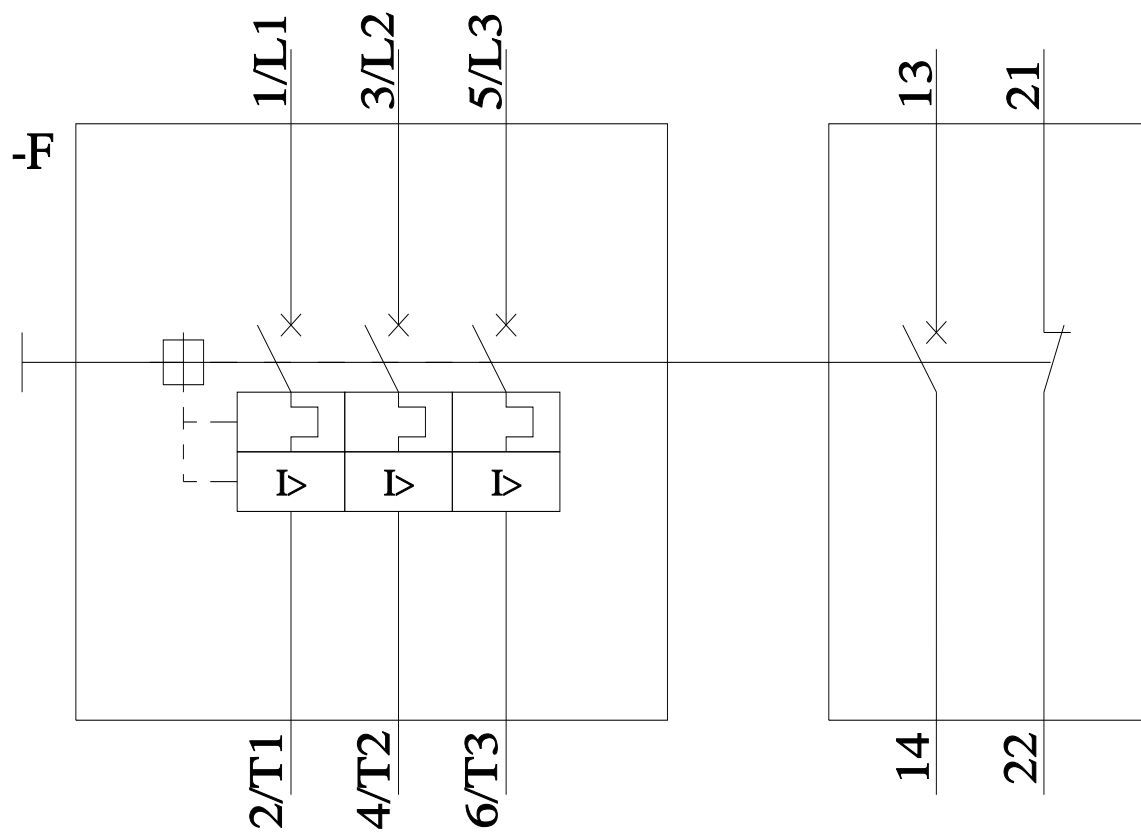
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1031-4FA15&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1031-4FA15/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1031-4FA15&objecttype=14&gridview=view1>




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11/21/2022 [↗](#)