



Circuit breaker 16 A A-release 11...16 A, N-release 286 A, for transformer protection, screw connection, standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	for transformer protection
product type designation	3RV6
General technical data	
size of the circuit-breaker	S00
power loss [W] total typical	7 W
power loss [W] for rated value of the current at AC in hot operating state per pole	3.1 W
type of calculation of power loss current-dependent	quadratic
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25 g / 11 ms
Substance Prohibitance (day/month/year)	05/01/2012
Net Weight	360 g
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +60 °C
• during transport	-50 ... +80 °C
relative humidity during operation	10 ... 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	10 ... 16 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current rated value	16 A
operational current at AC-3 at 400 V rated value	16 A
operating frequency at AC-3 maximum	15 1/h
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (I _{cu}) at AC at 400 V rated value	55 kA
operating short-circuit current breaking capacity (I _{cs}) at AC at 400 V rated value	30 kA
response value current of instantaneous short-circuit trip unit	286 A

Short-circuit protection		
product function short circuit protection	Yes	
design of the short-circuit trip	magnetic	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	
height	97 mm	
width	45 mm	
depth	97 mm	
required spacing for grounded parts		
• forwards	0 mm	
• backwards	0 mm	
• upwards	50 mm	
• at the side	30 mm	
• downwards	50 mm	
Connections/ Terminals		
type of electrical connection		
• for main current circuit	screw-type terminals	
arrangement of electrical connectors for main current circuit	Top and bottom	
type of connectable conductor cross-sections for main contacts		
• solid or stranded	2x (0,75 ... 2,5 mm²), 2x 4 mm²	
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)	
tightening torque		
• for main contacts with screw-type terminals	0.8 ... 1.2 N·m	
Electrical Safety		
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Approvals Certificates		
General Product Approval		
Test Certificates		
 CCC Confirmation  UL   EG-Konf. Type Test Certificates/Test Report		
Maritime application	other	Environment
 LRS CCS (China Classification Society) Miscellaneous Confirmation  Environmental Confirmations		

Further information		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN		



