# **SIEMENS**

Data sheet 3RV2311-0EC20



Circuit breaker size S00 for starter combination Rated current 0.4 A N-release 5.2 A Spring-type terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For starter combinations
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.5 W
at AC in hot operating state per pole	1.8 W
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	25g / 11 ms
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
of auxiliary contacts typical	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
operating voltage	
• rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.4 A
operational current	
• at AC-3 at 400 V rated value	0.4 A
at AC-3e at 400 V rated value	0.4 A
operating power	
• at AC-3	

	— at 230 V rated value	0.1 kW
■ at AC-3e     ■ at 230 V rated value     ■ at 600 V rated value     ■ at AC-3e maximum     ■ at AC-3e maxi	— at 400 V rated value	0.1 kW
** at AC.3 tribute value	— at 500 V rated value	0.1 kW
	— at 690 V rated value	0.2 kW
	• at AC-3e	
	— at 230 V rated value	0.1 kW
operating frequency  at ACO-3c maximum  number of NC contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  product function  ground fault decicion  approach function  ground fault decicion  hose phase fallure detection  at ACO at 240 V rated value  at ACO at 350 V rated value  at ACO at 350 V rated value  at ACO at 350 V rated value  at 400 V rated value  at 500 V rated value  at 600 V ra	— at 400 V rated value	0.1 kW
operating frequency	— at 500 V rated value	0.1 kW
operating frequency	— at 690 V rated value	0.2 kW
at AC-3 maximum at AC-3 exacimism at AC-3 exacimism number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 protective and monitoring functions product function agricum fault detection by a space falling detection contacts for auxiliary contacts  product function agricum fault detection by a space falling detection and the space falling detection at AC at 400 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 500 V rated value at 600 V		
author of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts product function  aground fauti detection  by ground fauti detection  cyround fauti detection  naximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value  at AC at 240 V rated value  at AC at 250 V rated value  at AC at 350 V rated value  at AC at 360 V rated value  at 400 V rated value  at 500 V rate		15 1/h
Auxiliary circuit number of NC contacts for auxillary contacts number of NC contacts for auxillary contacts number of CC contacts for auxillary contacts profective and monitoring functions  product function ground fault detection hyphase failure detection hyphase failure detection have at AC at 400 V rated value hat AC at 500 V rated va		
number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 protective and monitoring functions  product function  • ground fault detection No  • phase failure detection No  **at AC at 240 V rated value 100 kA  • at AC at 400 V rated value 100 kA  • at AC at 500 V rated value 100 kA  • at AC at 500 V rated value 100 kA  • at 240 V rated value 100 kA  • at 240 V rated value 100 kA  • at 400 V rated value 100 kA  • at 600 V rated value 100 kA  • at 600 V rated value 100 kA  • at 400 V rated value 100 kA  • at 600 V rated value 100 kA		TO THE
number of NO contacts for auxiliary contacts 0 rumber of CO contacts for auxiliary contacts 0 rumber of CO contacts for auxiliary contacts 0  Protective and monitoring functions  product function  • ground fault detection No  • phase failure detection No  maximum short-circuit current breaking capacity (Icu)  • at AC at 400 V rated value 100 kA  • at AC at 400 V rated value 100 kA  • at AC at 560 V rated value 100 kA  • at AC at 560 V rated value 100 kA  • at 400 V rated value 100 kA  • at 400 V rated value 100 kA  • at 500 V rated value 100 kA  • at 500 V rated value 100 kA  • at 400 V rated value 100 kA  • at 400 V rated value 100 kA  • at 500 V rated value 100 kA  • at 400 V rated value 100 kA  • at 500 V rated value 100 kA  • at 600 V rated value 0,4 A  • Short-circuit protection  product function short circuit protection 200 magnetic 200		0
Inumber of CO contacts for auxiliary contacts  Protective and monitoring functions  * ground fault detection No  * ground fault detection No  maximum short-circuit current breaking capacity (leu)  * at AC at 240 V rated value  * at AC at 600 V rated value  * at AC at 600 V rated value  * at 240 V rated value  * at 240 V rated value  * at 500 V rated value  * at 500 V rated value  * at 500 V rated value  * at 600 V rate value  * at 600 V rate value  * at 600 V rate value  * at 600 V	-	
product function  ground after detection  product function  ground fault detection  product function  product function  ground fault detection  naximum short-circuit current breaking capacity (icu)  at AC at 240 V rated value  at AC at 1500 V rated value  100 kA  at AC at 5500 V rated value  100 kA  at AC at 5500 V rated value  100 kA  at 440 V rated value  100 kA  at 440 V rated value  100 kA  at 4500 V rated value  100 kA  at 4500 V rated value  100 kA  at 4500 V rated value  100 kA  at 6500 V rated value  100 kA  presponse value current of instantaneous short-circuit trip unit  100 kA  4 to 400 V rated value  100 kA  4 to 600 V rated value  100 kA  10	· · · · · · · · · · · · · · · · · · ·	
product function ground fault detection Aphase failure detection No Aphase failure detection No maximum short-circuit current breaking capacity (icu) at AC at 240 V rated value 100 kA at AC at 400 V rated value 100 kA 0 at AC at 400 V rated value 100 kA 0 at AC at 400 V rated value 100 kA 0 at 240 V rated value 100 kA 0 at 240 V rated value 100 kA 0 at 240 V rated value 100 kA 0 at 250 V rated value 100 kA 0 at 250 V rated value 100 kA 0 at 3500 V rated value 100 kA 0 at 3600 V rated value 0 at 4800 V rated value 0 at 4800 V rated value 0 at 4800 V rated value 0 at 3600 V rated value 0 at 36	·	U
e ground fault detection No maximum short-circuit current breaking capacity (Icu)  e at AC at 240 V rated value  at AC at 400 V rated value  at AC at 550 V rated value  boreating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  100 kA  boreatings  full-load current (FLA) for 3-phase AC motor  at 600 V rated value  0.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  magnetic  installation mounting dimensions  mounting position  fastening method  height  width  45 mm  depth  97 mm  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — upwards  — upwards  — of worwards  — of worwards  — of worwards  — upwards  — of the parts at 500 V  — downwards  — upwards  — at the side  • for grounded parts at 450 V  — downwards  — upwards  — of the parts at 550 V  — downwards  — of worwards  — of worwards  — of the parts at 550 V  — downwards  — of the parts at 550 V  — downwards  — of the parts at 550 V  — downwards  — of the parts at 550 V		
phase failure detection maximum short-circuit current breaking capacity (Icu)	•	
maximum short-circuit current breaking capacity (icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at 240 V rated value  • at 400 V rated value  • at 400 V rated value  • at 500 V rated value  • at 600 V rated value  • at 480 V rated value  • at 480 V rated value  • 0.4 A  • at 600 V rated value  • 0.4 A  • Short-circuit protection  product function short circuit trip to the short-circuit trip  magnetic  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  vidith  45 mm  depth  • for grounded parts at 400 V  — downwards  — at the side  • for live parts at 400 V  — downwards  — at the side  • for grounded parts at 500 V  — downwards  — at the side  • for grounded parts at 500 V  — downwards  — at the side  • for grounded parts at 500 V	-	
	·	No
	maximum short-circuit current breaking capacity (Icu)	
at AC at 500 V rated value  at AC at 500 V rated value  coperating short-circuit current breaking capacity (ics) at AC  at 240 V rated value  at 500 V rated value  at 600 V rated value  builded current (FLA) for 3-phase AC motor  at 600 V rated value  at 600 V rated value  at 600 V rated value  builded current (FLA) for 3-phase AC motor  at 600 V rated value  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  builded survey  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 3-phase AC motor  at 600 V rated value  current (FLA) for 8-phase AC motor  at 600 V rated value  current (FLA) for 8-phase AC motor  at 600 V rated value  current (FLA) for 8-phase AC motor  current (FLA) for 8-phase AC moto	<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
eat AC at 690 V rated value  operating short-circuit current breaking capacity (ics) at AC  al 240 V rated value  at 400 V rated value  at 690 V rated value  at 690 V rated value  at 690 V rated value  tesponse value current of instantaneous short-circuit trip unit  UUCSA ratings  full-load current (FLA) for 3-phase AC motor  at 690 V rated value  0.4 A  at 800 V rated value  0.4 A  at 800 V rated value  0.4 A  at 690 V rated value  0.4 A  some of tunction short circuit protection  product function short circuit trip  magnetic  installation/ mounting/ dimensions  mounting position  fastening method  fastening method  height  106 mm  width  45 mm  depth  required spacing  e with side-by-side mounting at the side  of or grounded parts at 400 V  — downwards — at the side  9 mm  e for grounded parts at 400 V  — downwards — at the side  9 mm  of or grounded parts at 500 V  — downwards — at the side  of or grounded parts at 500 V  — downwards — at the side  of or grounded parts at 500 V	<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
operating short-circuit current breaking capacity (les) at AC  • at 240 V rated value • at 400 V rated value • at 500 V rated value  **Comparison of the value current of instantaneous short-circuit trip unit • 52. A  **DUTCSA ratings**  **Full-load current (FLA) for 3-phase AC motor • at 460 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value  **Prescription of the short-circuit trip magnetic  **Installation/mounting/dimensions**  **mounting position **fastening method **height **106 mm  **width **depth **106 mm  **width **depth **107 mm  **required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  - downwards - at the side • for live parts at 400 V  - downwards - at the side • for grounded parts at 500 V  - downwards - at the side • for grounded parts at 500 V  - downwards - at the side • for grounded parts at 500 V	<ul> <li>at AC at 500 V rated value</li> </ul>	100 kA
at 240 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA response value current of instantaneous short-circuit trip unit  UUCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.4 A at 800 V rated value 0.4 A at 800 V rated value 0.4 A  set 1800 V rated value 0.5 Mort-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 106 mm  depth 97 mm  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  - downwards - upwards - at the side 9 mm  of nownwards - at the side 9 mm  et the side 9 mm  of or grounded parts at 500 V  - downwards - at the side 9 mm  of or grounded parts at 500 V	at AC at 690 V rated value	100 kA
at 400 V rated value at 500 V rated value be at 500 V rated value to 600 V rated value  at 690 V rated value  response value current of instantaneous short-circuit trip unit  DUCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value be at 600 V rated value  out 4A  at 600 V rated value  out 4A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  did find  depth  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  - downwards - upwards - at the side of or grounded parts at 400 V  - downwards - at the side of or grounded parts at 500 V  - downwards - at the side of or grounded parts at 500 V  - downwards - at the side of or grounded parts at 500 V	operating short-circuit current breaking capacity (Ics) at AC	
at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit  DUCSA ratings  full-load current (FLA) for 3-phase AC motor at 600 V rated value  At 600 V rated value  O.4 A  Short-circuit protection  product function short circuit protection  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 depth 97 mm  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  - downwards - upwards - at the side for for upwards - at the side for grounded parts at 500 V  - downwards - at the side for grounded parts at 500 V  - downwards - upwards - at the side for grounded parts at 500 V  - downwards - upwards - at the side for grounded parts at 500 V  - downwards - upwards - at the side for grounded parts at 500 V  - downwards - upwards - at the side for live parts at 500 V	at 240 V rated value	100 kA
e at 690 V rated value  response value current of instantaneous short-circuit trip unit  UUCSA ratings  full-load current (FLA) for 3-phase AC motor  e at 480 V rated value 0.4 A  * at 600 V rated value 0.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm  width depth 97 mm  required spacing  e with side-by-side mounting at the side for grounded parts at 400 V  - downwards - at the side for live parts at 400 V  - downwards - at the side for grounded parts at 500 V  - downwards - at the side for grounded parts at 500 V  - downwards - at the side for grounded parts at 500 V	at 400 V rated value	100 kA
response value current of instantaneous short-circuit trip unit  DUCSA ratings  full-load current (FLA) for 3-phase AC motor	at 500 V rated value	100 kA
response value current of instantaneous short-circuit trip unit  DUCSA ratings  full-load current (FLA) for 3-phase AC motor	at 690 V rated value	100 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  product function short circuit protection  product function short circuit protection  yes  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  viotth  depth  97 mm  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — at the side  • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 500 V  — downwards — at the side  • for grounded parts at 500 V  — downwards — at the side  • for grounded parts at 500 V  — downwards — at the side  • for live parts at 500 V		
full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  0.4 A  * at 600 V rated value  0.4 A  * brot-circuit protection  product function short circuit protection  design of the short-circuit trip  magnetic  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  106 mm  width  45 mm  depth  97 mm  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — at the side  • for live parts at 400 V  — downwards  — at the side  • for grounded parts at 500 V  — downwards  — at the side  • for grounded parts at 500 V  — downwards  — at the side  • for grounded parts at 500 V  — downwards  — at the side  • for live parts at 500 V		5.2 A
at 480 V rated value background of the short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm  width 45 mm depth 97 mm  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  - downwards - at the side for grounded parts at 400 V  - downwards - at the side for grounded parts at 400 V  - downwards - upwards - at the side for grounded parts at 400 V  - downwards - upwards - at the side for grounded parts at 500 V  - downwards - at the side for grounded parts at 500 V  - downwards - at the side for grounded parts at 500 V	response value current of instantaneous short-circuit trip unit	5.2 A
	response value current of instantaneous short-circuit trip unit UL/CSA ratings	5.2 A
Short-circuit protection   Yes   design of the short-circuit trip   magnetic     Installation/ mounting/ dimensions   any   fastening method   screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715     height   106 mm   45 mm     depth   97 mm     required spacing   • with side-by-side mounting at the side   9 mm     • for grounded parts at 400 V   - downwards   30 mm     • for live parts at 400 V   - downwards   30 mm     • for grounded parts at 400 V   - downwards   30 mm     • for grounded parts at 400 V   - downwards   30 mm     • for live parts at 400 V   - downwards   30 mm     • for grounded parts at 500 V   - downwards   30 mm     • for grounded parts at 500 V   - downwards   30 mm     • for grounded parts at 500 V   - downwards   30 mm     • for grounded parts at 500 V   - downwards   30 mm     • for grounded parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm     • for live parts at 500 V   - downwards   30 mm	response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
product function short circuit protection design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — at the side • for live parts at 400 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — upwards — at the side • for grounded parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	0.4 A
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     106 mm       width     45 mm       depth     97 mm       required spacing     0 mm       • with side-by-side mounting at the side     0 mm       • for grounded parts at 400 V     0 mm       — downwards     30 mm       — at the side     9 mm       • for live parts at 400 V     0 mm       — downwards     30 mm       — at the side     9 mm       • for grounded parts at 500 V     0 mm       — downwards     30 mm       — upwards     30 mm       — upwards     30 mm       — at the side     9 mm       • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value	0.4 A
Installation/ mounting/ dimensions  mounting position  fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side • 9 mm  • for grounded parts at 500 V  — downwards — at the side • 9 mm  • for grounded parts at 500 V  — downwards — at the side • 9 mm  • for grounded parts at 500 V  — downwards — upwards — at the side • 9 mm  • for grounded parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection	0.4 A 0.4 A
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  - downwards - upwards - at the side • for live parts at 400 V  - downwards 30 mm  • for grounded parts at 400 V  - downwards 30 mm  • for live parts at 500 V  - downwards 30 mm  • for grounded parts at 500 V  - downwards 30 mm  - at the side 9 mm	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection	0.4 A 0.4 A Yes
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 106 mm  width 45 mm  depth 97 mm  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  downwards - upwards - at the side for live parts at 400 V  downwards - upwards - at the side for grounded parts at 500 V  downwards - at the side go mm  for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip	0.4 A 0.4 A Yes
height         106 mm           width         45 mm           depth         97 mm           required spacing         0 mm           • with side-by-side mounting at the side         0 mm           • for grounded parts at 400 V         30 mm           — at the side         9 mm           • for live parts at 400 V         30 mm           — at wards         30 mm           — at the side         9 mm           • for grounded parts at 500 V         30 mm           — downwards         30 mm           — upwards         30 mm           — at the side         9 mm           • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions	0.4 A 0.4 A Yes magnetic
width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side 0 mm  • for grounded parts at 400 V  — downwards 30 mm  — at the side 9 mm  • for live parts at 400 V  — downwards 30 mm  — at the side 9 mm  • for parts at 400 V  — downwards 30 mm  — upwards 30 mm  — upwards 9 mm  • for grounded parts at 500 V  — downwards 30 mm  — at the side 9 mm  • for grounded parts at 500 V  — downwards 30 mm  — upwards 30 mm  — at the side 9 mm  • for grounded parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position	0.4 A 0.4 A Yes magnetic any
depth     97 mm       required spacing     0 mm       • with side-by-side mounting at the side     0 mm       • for grounded parts at 400 V     30 mm       — upwards     30 mm       — at the side     9 mm       • for live parts at 400 V     30 mm       — downwards     30 mm       — at the side     9 mm       • for grounded parts at 500 V     30 mm       — downwards     30 mm       — upwards     30 mm       — at the side     9 mm       • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V  — downwards — upwards — upwards — 100 mm  • for live parts at 400 V  — downwards — upwards — upwards — at the side  • for grounded parts at 500 V  — downwards — upwards — upwards — at the side  • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm
<ul> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>of or grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— upwards</li> <li>— upwards</li> <li>— of or live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection design of the short-circuit trip  Installation/ mounting/ dimensions mounting position fastening method height width	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm
<ul> <li>for grounded parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for grounded parts at 500 V</li> <li>— downwards</li> <li>— at the side</li> <li>9 mm</li> <li>for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— of mm</li> <li>9 mm</li> <li>for live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm
— downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for live parts at 400 V       30 mm         — downwards       30 mm         — at the side       9 mm         • for grounded parts at 500 V       30 mm         — upwards       30 mm         — at the side       9 mm         • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm
<ul> <li>— upwards         — at the side         9 mm         • for live parts at 400 V         — downwards         — upwards         — at the side         • for grounded parts at 500 V         — downwards         — upwards         — at the side         • for grounded parts at 500 V         — downwards         — upwards         — at the side         • for live parts at 500 V         • for live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm
<ul> <li>— at the side</li> <li>● for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>● for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>9 mm</li> <li>• for live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm
<ul> <li>for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm
— downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for grounded parts at 500 V       30 mm         — downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm
— downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for grounded parts at 500 V       30 mm         — downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm
<ul> <li>— upwards         — at the side         9 mm         • for grounded parts at 500 V         — downwards         — upwards         — at the side         • for live parts at 500 V         — downwards         — at the side         • for live parts at 500 V         — at the side</li></ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm
<ul> <li>— at the side</li> <li>● for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>● for live parts at 500 V</li> </ul> 9 mm 9 mm 9 mm 9 mm	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm
<ul> <li>for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 30 mm 9 mm
<ul> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>• for live parts at 500 V</li> <li>30 mm</li> <li>9 mm</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — upwards  — upwards  — upwards	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 30 mm 30 mm
<ul> <li>— upwards</li> <li>— at the side</li> <li>• for live parts at 500 V</li> <li>30 mm</li> <li>9 mm</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — upwards  — upwards  — upwards  — upwards  — at the side	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 30 mm 30 mm
<ul> <li>— at the side</li> <li>9 mm</li> <li>for live parts at 500 V</li> </ul>	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — upwards  — at the side  • for grounded parts at 500 V	O.4 A O.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm 9 mm
• for live parts at 500 V	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position fastening method height  width depth  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 500 V — downwards  — at the side  • for grounded parts at 500 V — downwards	O.4 A O.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 30 mm
	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — upwards — at we side  • for grounded parts at 500 V — downwards — upwards — upwards — upwards	O.4 A O.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm 30 mm 9 mm
— gownwards 30 mm	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side	O.4 A O.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm 30 mm 9 mm
	response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side  • for live parts at 500 V	0.4 A 0.4 A  Yes magnetic  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 106 mm 45 mm 97 mm  0 mm 30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm

— upwards	30 mm	
— at the side	9 mm	
<ul> <li>for grounded parts at 690 V</li> </ul>		
— downwards	50 mm	
— upwards	50 mm	
— backwards	0 mm	
— at the side	30 mm	
— forwards	0 mm	
• for live parts at 690 V		
— downwards	50 mm	
— upwards	50 mm	
— backwards	0 mm	
— at the side	30 mm	
— forwards	0 mm	
Connections/ Terminals		
type of electrical connection		
for main current circuit	spring-loaded terminals	
arrangement of electrical connectors for main current circuit	Top and bottom	
type of connectable conductor cross-sections		
<ul> <li>for main contacts</li> </ul>		
<ul> <li>solid or stranded</li> </ul>	2x (0,5 4 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)	
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)	
<ul> <li>for AWG cables for main contacts</li> </ul>	2x (20 12)	
design of screwdriver shaft	Diameter 3 mm	
size of the screwdriver tip	3,0 x 0,5 mm	
Safety related data		
B10 value		
with high demand rate according to SN 31920	5 000	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %	
with high demand rate according to SN 31920	50 %	
failure rate [FIT]		
with low demand rate according to SN 31920	50 FIT	
T1 value for proof test interval or service life according to IEC 61508	10 a	
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	
display version for switching status	Handle	
Certificates/ approvals		
General Product Approval		Declaration of Conformity



Confirmation



<u>KC</u>





Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping other Railway









## Railway

Vibration and Shock

#### **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=3RV2311-0EC20

### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-0EC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC20

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

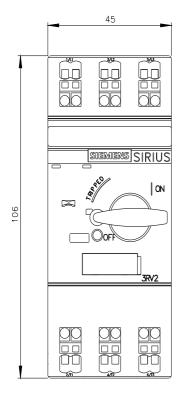
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-0EC20&lang=en

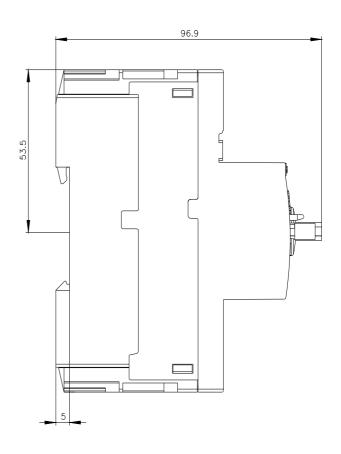
Characteristic: Tripping characteristics, I2t, Let-through current

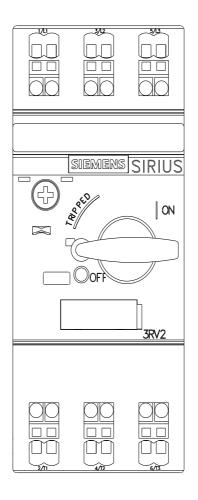
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC20/char

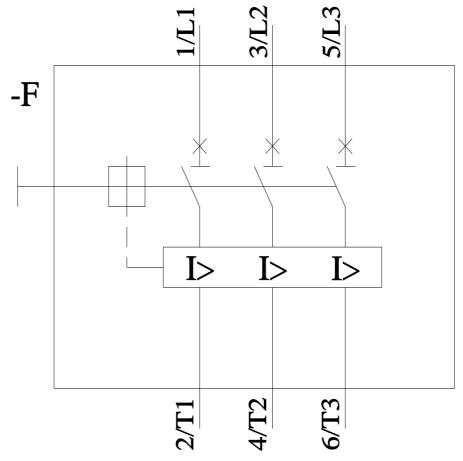
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0EC20&objecttype=14&gridview=view1









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