SIEMENS

Data sheet 3RW4036-1TB04



SIRIUS soft starter S2 45 A, 22 kW/400 V, 40 $^{\circ}\text{C}$ 200-480 V AC, 24 V AC/DC Screw terminals Thermistor motor protection

Figure similar

General technical data		
product brand name		SIRIUS
product feature		
 integrated bypass contact system 		Yes
• thyristors		Yes
product function		
 intrinsic device protection 		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		Yes
 external reset 		Yes
 adjustable current limitation 		Yes
inside-delta circuit		No
product component motor brake output		No
insulation voltage rated value	V	600
degree of pollution		3, acc. to IEC 60947-4-2
reference code according to EN 61346-2		Q
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
 at 40 °C rated value 	Α	45
 at 50 °C rated value 	Α	42
at 60 °C rated value	Α	39
yielded mechanical performance for 3-phase motors		
• at 230 V		
 — at standard circuit at 40 °C rated value 	kW	11
• at 400 V		
— at standard circuit at 40 °C rated value	kW	22
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	10
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10
relative positive tolerance of the operating frequency	%	10
operating voltage at standard circuit rated value	V	200 480
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10

minimum load [%]			
protection minimum rated value continuous operating current (% of lej at 40 °C power loss [W] at operational current at 40 °C during operation typical Control supply voltage frequency 1 rated value control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value rated value control supply voltage frequency 2 rated value rated value relative negative tolorance of the control supply voltage frequency control supply voltage frequency 2 rated value rated value rated value voltage frequency control supply voltage frequency 2 rated value voltage frequency control supply voltage frequency control supply voltage 1 at AC at 50 Hz rated value voltage frequency control supply voltage 1 at AC at 50 Hz rated value voltage in AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative		•	
power loss [W] at operational current at 40 °C during operation typical Control circuit/ Control type of voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage at 20 at 50 Hz relative positive tolerance of the control supply voltage at 20 at 50 Hz relative positive tolerance of the control supply voltage at 20 at 50 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz control supply voltage at 10 C rated value relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz control supply voltage at 10 C rated value relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 20 at 60 Hz relative positive tolerance of the control supply voltage at 2		Α	23
operation typical Control carolity Control type of voitage of the control supply voltage control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC * at 50 Hz rated value * at 60	continuous operating current [% of le] at 40 °C	%	115
type of voltage of the control supply voltage control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency 2 rated value Hz 60 relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage requency control supply voltage at AC • at 50 Hz rated value		W	6
type of voltage of the control supply voltage control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency 2 rated value Hz 60 relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency (and to the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC at 60 Hz relative negative tolerance of the control supply woltage at AC relative negative tolerance of the control supply woltage at AC relative negative tolerance of the control supply woltage at AC relative negative tolerance of the control supply woltage at AC	Control circuit/ Control		
control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency control supply voltage 1 at AC at 50 Hz rated value telative negative tolerance of the control supply voltage requency control supply voltage 1 at AC at 50 Hz rated value voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control supply voltage at AC relative positive tolerance of the control su			AC/DC
control supply voltage frequency 2 rated value relative positive tolerance of the control supply voltage frequency control supply voltage frequency of the control supply voltage of the control supply voltage of the control supply voltage at AC at 50 Hz rated value voltage frequency of the control supply voltage at AC at 50 Hz rated value voltage frequency of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance voltage relative positive tolerance voltage relative positive positive tolerance voltage relative positive positive tolerance voltage relative positive positive positive positive positive positive positive positive positiv		Hz	
relative negative tolerance of the control supply voltage frequency relative positive folerance of the control supply voltage at 160 territorial voltage frequency control supply voltage 1 at AC			
voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • 20 • 20 • 20 • 20 • 21 • 24 • 20 • 20 • 20 • 20 • 21 • 24 • 24 • 29 • 20 • 20 • 20 • 20 • 20 • 20 • 21 • 24 • 24 • 25 • 20 • 20 • 20 • 20 • 24 • 24 • 29 • 20 •		-	
voltage frequency control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • 20 voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the co	voltage frequency		
e at 50 Hz rated value v 24 relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width mm 150 Mcchanical data size of engine control device width additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable	voltage frequency	-	10
relative negative tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 60 Hz voltage at DC voltage at			
relative negative tolerance of the control supply voltage at AC at 50 ft. relative positive tolerance of the control supply voltage at AC at 50 ft. relative positive tolerance of the control supply voltage at AC at 50 ft. relative negative tolerance of the control supply voltage at AC at 50 ft. relative positive tolerance of the control supply voltage at AC at 50 ft. relative negative tolerance of the control supply voltage at AC at 50 ft. relative positive tolerance of the control supply voltage at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width mm 150 screw and snap-on mounting with additional fan: With vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-20* rotatable, with vertical mounting surface +/-10* rotatable, wi		-	
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz rolative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mochanical data size of engine control device width mm 55 helight mm 170 fastening method mounting position ### Screw and snap-on mounting with additional fan: With vertical mounting surface +/-90" rolatable, with vertical mounting surface +/-20" rolatable, with vertical mounting surface +/-10" rotatable, with vertical mounting upwards ### at the side ### downwards ##			
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value V 24 relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width mm 55 height mm 150 depth mm 170 fastening method mounting position With additional fan: With vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-20" rotatable, with vertical mounting surface +/-10" to table, with vertical mounting surface +/-10" to table	11.7	% -	-20
relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width		%	20
voltage at AC at 60 Hz control supply voltage 1 at DC rated value relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width mm 55 helight mm 160 depth mm 170 fastening method mounting position With additional fan: With vertical mounting with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-20* fillable to the front and back Without ditional fan: With vertical mounting • upwards • at the side • at the side • downwards wire length maximum number of poles for main current circuit connections/ Terminals type of electrical connection • for main current circuit number of NC contacts for auxillary contacts number of NC contacts for auxillary contacts type of connectable conductor cross-sections for main contacts for box terminal using the back type of connectable conductor cross-sections for main contects for box terminal using the back type of connectable conductor cross-sections for main contects for box terminal using the back		%	-20
relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width mm 55 height mm 160 depth mm 170 fastening method mounting position required spacing with side-by-side mounting		%	20
relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width mm 55 height mm 160 depth mm 170 fastening method mounting position required spacing with side-by-side mounting	control supply voltage 1 at DC rated value	V	24
relative positive tolerance of the control supply voltage at DC display version for fault signal red Mechanical data size of engine control device S2 width mm 160 mm 55 height mm 160 mm 170 screw and snap-on mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10°	relative negative tolerance of the control supply	%	-20
display version for fault signal Mechanical data		%	20
size of engine control device width height mm 55 mm 160 depth fastening method mounting position With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front about mounting surface +/-10° to the front about with vertical mounting surface +/-10° to the front about mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical	display version for fault signal		red
size of engine control device width height mm 55 mm 160 depth fastening method mounting position With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front about mounting surface +/-10° to the front about with vertical mounting surface +/-10° to the front about mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical mounting surface +/-10° to the front about additional fan: With vertical	Mechanical data		
width height mm 160 screw and snap-on mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiliable to the front and back Without additional fan: With vertical mounting surface +/-22.5° tiliable to the front and back Without additional fan: With vertical mounting surface +/-20.5° rotatable, with vertical mounting surface +/-20.5° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-10° to the front dadditional fan: With vertical mounting surface +/-10° to the front dadditional fa			\$2
Meight		mm .	
depth		-	
fastening method mounting position With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the total back with vertical mounting surface +/-10° to the total back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front and back with vertical mounting surface +/-10° to the front		-	170
mounting position With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface a to the form and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° t t the visit mounting surface +/-20.5° tiltable to the form and surface +/-10° t t the visit mounting surface +/-20.5° tiltable to the form and surface +/-20.5° tiltable to the form and outling surface +/-20.5° tiltable to the form and surface +/-20.5° tiltable to the form and surface +/-20.5° tiltable to the form and surface +/-20° rotatable, with vertical mounting surface +/-10° t to the visit mounting surface +/-10° t the visit mounting surface +/-10° t the visit mounting surface +/-10° to the visit mounting surface +/-10° t to the visit mounting surface +/-10° to the visit mounting surface +/-20° rotatable, with vertical mounting surface +/-20°	-		
required spacing with side-by-side mounting • upwards • at the side • downwards mm for auxiliary and control circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the back required spacing with side-by-side mounting surface +/- 10° t required spacing with side-by-side mounting surface +/- 10° t required spacing with side-by-side mounting surface +/- 10° t required spacing with side-by-side mounting surface +/- 10° t required spacing with side-by-side mounting surface +/- 10° t required spacing with vertical mounting surface +/- 10° t to the form and sold mm 60 mm 60 mm 30 number of poles for main current circuit screw-type terminals screw-type terminals screw-type terminals 1 type of contacts for auxiliary contacts 1 type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • solid 1 type of connectable conductor cross-sections for main contacts for box terminal using the back		_	,
upwards at the side downwards downwards mm			rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting
 at the side downwards downwards mm 40 wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid finely stranded with core end processing stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 	required spacing with side-by-side mounting		
 ● downwards wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection ● for main current circuit ● for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point ● solid ● solid ● stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 	• upwards	mm	60
wire length maximum number of poles for main current circuit Connections/ Terminals type of electrical connection	• at the side	mm	30
number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	downwards	mm	40
type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • solid • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	wire length maximum	m	300
type of electrical connection • for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • stranded • stranded type of connectable conductor cross-sections for main contacts for box terminal using the front clamping box terminal using the front clamping box terminal using the front clamping the stranded • stranded • stranded • stranded • stranded • type of connectable conductor cross-sections for main contacts for box terminal using the back	number of poles for main current circuit		3
 for main current circuit for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid solid finely stranded with core end processing stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 	Connections/ Terminals		
 ● for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point ● solid ● solid ● finely stranded with core end processing ● stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 	type of electrical connection		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 2 number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 0 2	• for main current circuit		screw-type terminals
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid solid finely stranded with core end processing stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	for auxiliary and control circuit		screw-type terminals
number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	number of NC contacts for auxiliary contacts		0
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	number of NO contacts for auxiliary contacts		2
main contacts for box terminal using the front clamping point • solid • finely stranded with core end processing • stranded type of connectable conductor cross-sections for main contacts for box terminal using the back	number of CO contacts for auxiliary contacts		1
 finely stranded with core end processing stranded type of connectable conductor cross-sections for main contacts for box terminal using the back 0.75 25 mm² 0.75 35 mm² 	main contacts for box terminal using the front		
• stranded 0.75 35 mm² type of connectable conductor cross-sections for main contacts for box terminal using the back	• solid		2x (1.5 16 mm²)
type of connectable conductor cross-sections for main contacts for box terminal using the back			
clamping point	type of connectable conductor cross-sections for main contacts for box terminal using the back		

11-4		0/4 5 40
• solid		2x (1.5 16 mm²)
finely stranded with core end processing		1.5 25 mm ²
• stranded		1.5 35 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		2x (1.5 16 mm²)
stranded		2x (1.5 25 mm²)
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		
 using the back clamping point 		16 2
 using the front clamping point 		18 2
using both clamping points		2x (16 2)
type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²)
type of connectable conductor cross-sections at AWG cables		
 for auxiliary contacts 		2x (20 14)
 for auxiliary contacts finely stranded with core end processing 		2x (20 16)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 during storage according to IEC 60721 		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during operation according to IEC 60721 		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
 during operation 	°C	-25 +60
during storage	°C	-40 +80
derating temperature	°C	40
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
Certificates/ approvals		

General Product Approval





Confirmation









For use in hazardous locations

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







other Railway

Confirmation Vibration and Shock Confirmation

UL/CSA ratings				
yielded mechanical performance [hp] for 3-phase AC motor				
• at 220/230 V				
 at standard circuit at 50 °C rated value 	hp	15		
• at 460/480 V				
 at standard circuit at 50 °C rated value 	hp	30		
contact rating of auxiliary contacts according to UL		B300 / R300		

Further information

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

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=3RW4036-1TB04

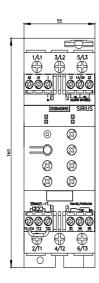
Cax online generator

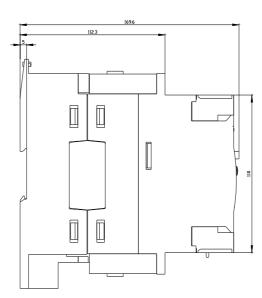
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4036-1TB04

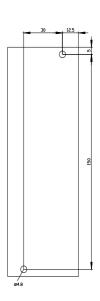
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

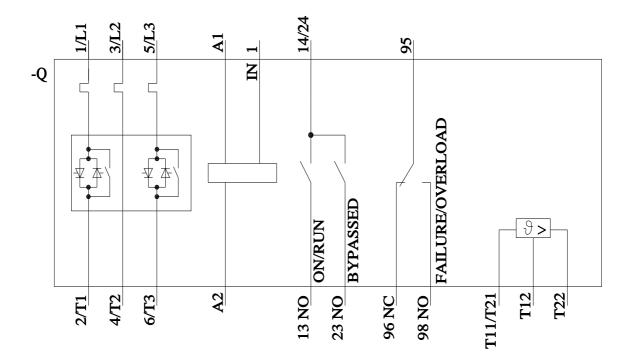
https://support.industry.siemens.com/cs/ww/en/ps/3RW4036-1TB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4036-1TB04&lang=en









last modified: 1/16/2022 🖸