



Contactor, AC-1, 18 A/400 V/40 °C, S00, 4-pole, 220 V AC/50 Hz, 240 V/60 Hz, Spring-type terminal

SURGXFW EUDQG QDPH	SIRIUS
SURGXFW GHVLJQDWLRQ	Contactor
SURGXFW W\SH GHVLJQDWLRQ	3RT23
*HQHUDO WHFKQLFDO GDWD	
VLJH RI FRQWDFWRU	S00
SURGXFW H[WHQVLRQ	
<ul style="list-style-type: none"> function module for communication auxiliary switch 	No Yes
SRZHU ORVV >:@ IRU UDWHG YDOXH	
<ul style="list-style-type: none"> at AC in hot operating state at AC in hot operating state per pole 	4.4 W 1.1 W
LQVXODWLRQ YROWDJH	
<ul style="list-style-type: none"> of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value 	690 V 690 V
VXUJH YROWDJH UHVLVWDQFH	
<ul style="list-style-type: none"> of main circuit rated value of auxiliary circuit rated value 	6 kV 6 kV
VKRFN UHVLVWDQFH DW UHFWDQJX	
<ul style="list-style-type: none"> at AC 	6,7g / 5 ms, 4,2g / 10 ms
VKRFN UHVLVWDQFH ZLWK VLQH SX	
<ul style="list-style-type: none"> at AC 	10,5g / 5 ms, 6,6g / 10 ms
PHFKDQLFDO VHUULFH OLIH VZLW	
<ul style="list-style-type: none"> of contactor typical of the contactor with added auxiliary switch block typical 	30 000 000 10 000 000
UHIHUHQFH FRGH DFFRUGLQJ WR , (Q
6XEVDQFH 3URKLELWDQFH 'DWH	10/01/2009
\$PELHQW FRQGLWLRQV	
installation altitude at height above sea level maximum	2 000 m
DPELHQW WHPSHUDWXUH	
<ul style="list-style-type: none"> during operation during storage 	-25 ... +60 °C -55 ... +80 °C
UHODWLYH KXPLGLW\ PLQLXP	10 %
UHODWLYH KXPLGLW\ DW f & DFFR	95 %
PD[LPXP	
0DLQ FLUFXLW	
QXPEHU RI SROHV IRU PDLQ FXUUHQ	4
QXPEHU RI 12 FRQWDFWV IRU PDLQ	4
RSHUDWLRQDO FXUUHQW	

<ul style="list-style-type: none"> • at AC-1 at 400 V at ambient temperature 40 °C rated value 	18 A
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> — up to 690 V at ambient temperature 40 °C rated value 	18 A
<ul style="list-style-type: none"> — up to 690 V at ambient temperature 60 °C rated value 	16 A
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	9 A
<ul style="list-style-type: none"> • at AC-4 at 400 V rated value 	8.5 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm ²
R SHUDWLQJ SRZHU <ul style="list-style-type: none"> • at AC-3 at 400 V rated value • at AC-4 at 400 V rated value 	4 kW 4 kW
V KRUW WLPH ZLWKVWDQG FXUUHQW XS WR <i>f</i> &	
<ul style="list-style-type: none"> • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value Use minimum cross-section acc. to AC-1 rated value Use minimum cross-section acc. to AC-1 rated value Use minimum cross-section acc. to AC-1 rated value Use minimum cross-section acc. to AC-1 rated value
QR ORDG VZLWFKLQJ IUHTXHQF\ <ul style="list-style-type: none"> • at AC 	10 000 1/h
operating frequency at AC-1 maximum	1 000 1/h
&RQWURO FLUFXLW &RQWURO	
W\SH RI YROWDJH	AC
W\SH RI YROWDJH RI WKH FRQWURO	AC
FRQWURO VXSSO\ YROWDJH DW \$& <ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value 	220 V 240 V
R SHUDWLQJ UDQJH IDFWRU FRQWURO YDOXH RI PDJQHW FRLO DW \$& <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	0.8 ... 1.1 0.8 ... 1.1
DSSDUHQW SLFN XS SRZHU RI PDJQHW <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	26.4 VA 26.4 VA
LQGXFWLYH SRZHU IDFWRU ZLWK FRLO <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	0.81 0.81
DSSDUHQW KROGLQJ SRZHU RI PDJQHW <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	4.4 VA 4.4 VA
LQGXFWLYH SRZHU IDFWRU ZLWK W FRLO <ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	0.24 0.24
FORVLQJ GHOD\ <ul style="list-style-type: none"> • at AC 	9 ... 35 ms
RSHQLQJ GHOD\ <ul style="list-style-type: none"> • at AC 	7 ... 13 ms
DUFLQJ WLPH	10 ... 15 ms
FRQWURO YHUVLRQ RI WKH VZLWFK	Standard A1 - A2
\$X[LOLDU\ FLUFXLW	
QXPEHU RI 1& FRQWDFWV IRU DX[LQJ <ul style="list-style-type: none"> • attachable 	2
QXPEHU RI 12 FRQWDFWV IRU DX[LQJ <ul style="list-style-type: none"> • attachable 	2
6KRUW FLUFXLW SURWHFWLRQ	
SURGXFW IXQFWLRQ VKRUW FLUFXLW	No

GHVLJQ RI WKH IXVH OLN	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit <ul style="list-style-type: none"> — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required 	gG: 35 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) gG: 10 A (690 V, 1 kA)
, QVWDOODWLRQ PRXQWLQJ GLPHQVLRQV	
PRXQWLQJ SRVLWLRQ	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
IDVWHQLQJ PHWKRQ	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
<ul style="list-style-type: none"> • side-by-side mounting 	Yes
KHLJKW	70 mm
ZLGWK	45 mm
GHSWK	73 mm
UHTXLUHG VSDFLQJ	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards — upwards — downwards — at the side • for grounded parts <ul style="list-style-type: none"> — forwards — upwards — at the side — downwards • for live parts <ul style="list-style-type: none"> — forwards — upwards — downwards — at the side 	10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm
&RQQHFWLRQV 7HUPLQDOV	
W\SH RI HOHFWULFDO FRQQHFWLRQ	
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil 	spring-loaded terminals spring-loaded terminals Spring-type terminals Spring-type terminals
W\SH RI FRQQHFWDEOH FRQGXFWRU	
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts 	2x (0.5 ... 4 mm ²) 2x (0,5 ... 4 mm ²) 2x (0.5 ... 2.5 mm ²) 2x (0.5 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 2x 12
FRQQHFWDEOH FRQGXFWRU FURVV FRQWDFWV	
<ul style="list-style-type: none"> • solid • solid or stranded • stranded • finely stranded with core end processing • finely stranded without core end processing 	0.5 ... 4 mm ² 0.5 ... 4 mm ² 0.5 ... 4 mm ² 0.5 ... 2.5 mm ² 0.5 ... 2.5 mm ²
FRQQHFWDEOH FRQGXFWRU FURVV FRQWDFWV	
<ul style="list-style-type: none"> • solid or stranded • finely stranded with core end processing • finely stranded without core end processing 	0.5 ... 4 mm ² 0.5 ... 2.5 mm ² 0.5 ... 2.5 mm ²
W\SH RI FRQQHFWDEOH FRQGXFWRU	
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — solid or stranded — finely stranded with core end processing 	2x (0.5 ... 2.5 mm ²) 2x (0,5 ... 4 mm ²) 2x (0.5 ... 2.5 mm ²)

— finely stranded without core end processing	2x (0.5 ... 2.5 mm ²)
• at AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14), 2x 12
\$: * QXPEHU DV FRGHG FRQQHFWDE VHFWLRQ	
• for main contacts	20 ... 12
• for auxiliary contacts	20 ... 12
6DIHW\ UHODWHG GDWD	
SURGXFW IXQFWLRQ	
• mirror contact according to IEC 60947-4-1	Yes; with 3RH29
T1 value for proof test interval or service life according to IEC 61508	20 y
SURWHFWLRQ FODVV ,3 RQ WKH IUR	IP20
WRXFK SURWHFWLRQ RQ WKH IURQV	finger-safe, for vertical contact from the front
&RPPXQLFDWLRQ 3URWRFR	
SURGXFW IXQFWLRQ EXV FRPPXQLF	No
&HUWLILFDWHV DSSURYDOV	
*HQHUDO 3URGXFW \$SSURYDO	(0 &



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)XQFWLRQD 6DIHW\ 6DIH ODFKLQH\	'HFODUDWLRQ RI &RQIRUF	7HVW &HUWLILFDWHV	ODULQH 6K
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ODULQH 6KLSSLQJ



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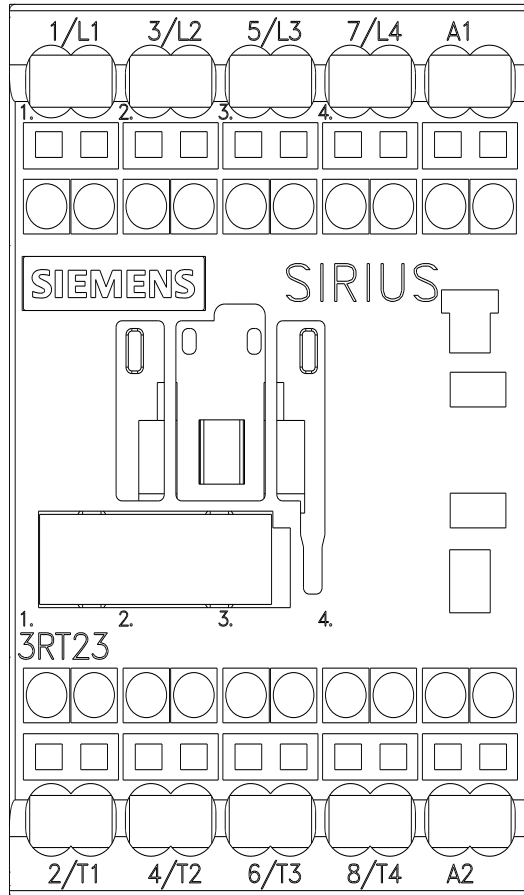
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)XUWKHU LQIRUPDWLRQ

,QIRUPDWLRQ DQG 'RZQORDGFHQWHU &DWDORJV %URFKXUHV «
<https://www.siemens.com/ic10>
 ,QG XVWU\ ODOO 2QOLQH RUGHULQJ V\ VWHP
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2316-2AP60>
 &D[RQOLQH JHQHUDWRU
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2316-2AP60>
 6HU\LFH 6XSSRUW ODQXDOV &HUWLILFDWHV &KDUDFWHULVWLFV)\$4V
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2316-2AP60>
 ,PDJH GDWDEDVH SURGXFW LPDJHV 'GLPHQVLRQ GUDZLQJV 'PRGHOV GHYLFH FLU
http://www.automation.siemens.com/blddb/cax_de.aspx?mlfb=3RT2316-2AP60&lang=en
 &KDUDFWHULVWLF 7ULSSLQJ FKDUDFWHULVWLFV ,ðW /HW WKURXJK FXUUHQW
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3/18/2022 