TYPE APPROVAL CERTIFICATE

N. ELE155420CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system.

Description	**Contactors**
Type	**100*-E*09****, 104*-E*09****, 100S*-E*09****, 104S*-E*09**** 100*-E*12****, 104*-E*12****, 100S*-E*12****, 104S*-E*12**** 100*-E*16****, 104*-E*16****, 100S*-E*16****, 104S*-E*16**** 100*-E*26****, 104*-E*26****, 100S*-E*26****, 104S*-E*26**** 100*-E*30****, 104*-E*30****, 100S*-E*30****, 104S*-E*30**** 100*-E*38****, 104*-E*38****, 100S*-E*38****, 104S*-E*38**** 100*-E*40****, 104*-E*40****, 100S*-E*40****, 104S*-E*40**** 100*-E*52****, 104*-E*52****, 100S*-E*52****, 104S*-E*52**** 100*-E*65****, 104*-E*65****, 100S*-E*65****, 104S*-E*65**** 100*-E*80****, 104*-E*80****, 100S*-E*80****, 104S*-E*80**** 100*-E*96****, 104*-E*96****, 100S*-E*96****, 104S*-E*96****
	Electromagnetic Operated Control Switches **700-E****, 700S-E**** ; 100-EJE**
	Auxiliary Contacts **100-ESA*B*, 100-E***
Applicant	**Rockwell Automation, Inc.** 1201 South 2nd Street Milwaukee WI 53204, USA
Manufacturer	**Rockwell Automation, Inc.** 1201 South 2nd Street Milwaukee WI 53204, USA
Testing Standards	**IEC60947-4-1:2018; IEC 60947-5-1:2016**

Issued in **Genova** on **August 06, 2020**

This certificate is valid until **August 06, 2025**

RINA Services S.p.A.

Luigi Benedetti

This Document is digitally Signed

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

Main features:

Type	AC-1		AC-3		AC-3e		AC-4		AC-8a	
	Ue (V)	**Ie** (A)	**Ue** (V)	**Ie** (A)	**Ue** (V)	**Ie** (A)	**Ue** (V)	**Ie** (A)	**Ue** (V)	**Ie** (A)
100*-E*09** **104*-E*09****	690	25	≤500 >500 ≤690	9,5 7	≤500 >500 ≤690	9,5 7	≤500 >500 ≤690	9,5* 7	400	12
100*-E*12** **104*-E*12****	690	28	≤500 >500 ≤ 690	12,5 9	≤500 >500 ≤690	12,5 9	≤500 >500 ≤690	12,5* 8,4	400	16
100*-E*16** **104*-E*16****	690	32	≤500 >500 ≤ 690	18 10,5	≤500 >500 ≤690	18 10,5	≤500 >500 ≤690	13* 8,4	400	22
100*-E*26** **104*-E*26****	690	45	≤500 >500 ≤ 690	26 17	≤500 >500 ≤ 690	26 17	≤500 >500 ≤ 690	23 17	400	30
100*-E*30** **104*-E*30****	690	50	≤500 >500 ≤ 690	33 21	≤500 >500 ≤ 690	33 21	≤500 >500 ≤ 690	23* 17	400	40
100*-E*38** **104*-E*38****	690	50	≤240 >240 ≤ 500 >500 ≤ 690	40 38 24	≤240 >240 ≤ 500 >500 ≤ 690	40 38 24	≤500 >500 ≤ 690	23* 17	400	50
100*-E*40** **104*-E*40****	690	70	220 to 440 690	40 25	220 to 440 690	40 25	220 to 440 690	35* 25	400	53
100*-E*52** **104*-E*52****	690	100	220 to 440 690	53 35	220 to 440 690	56 35	220 to 440 690	45* 28	400	70
100*-E*65** **104*-E*65****	690	105	220 to 440 690	65 39	220 to 440 690	65 39	220 to 500 690	52* 31	400	85
100*-E*80** **104*-E*80****	1000 690	50 125	220 to 240 690 1000	80 49 25	220 to 240 690	80 49	220 to 500 690	65 40	400	105
100*-E*96** **104*-E*96****	1000 690	60 130	220 to 240 690 1000	96 57 30	220to 240 690	96 57	220 to 500 690	76 45	400	120

(*) **Also includes reversing starter contactor**

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

100*-E*09**, 104*-E*09****, 100*-E*12****, 104*-E*12****, 100*-E*16****, 104*-E*16****

Contactors 3 or 4 poles (3NO or 4NO or 2NO+2NC); rated frequency**:** 50/60Hz; rated duties: Eight-hour duty
Utilization Category**:** AC-1, AC-3, AC-3e, AC-4, AC-8a

Rated Values
rated operational voltage **Ue** (V)**:** 400 VAC / 500 VAC / 690 VAC,
rated insulation voltage **Ui** (V)**:** 690 VAC
conventional free air thermal current **Ith** (A)**: 32 A**
rated impulse withstand voltage **Uimp** (kV): 6 kV (main), 4 kV (coil)

Short Circuit characteristics
rated prospective short-circuit current **"r"** (kA): 3 kA
rated conditional short-circuit current **Iq** (kA): 3 kA
type of co-ordination : Type 1

Test report Intertek Semko AB n. 191814STO-001 (05 February, 2020)
CB Test Certificate n. SE-100240 (03 March, 2020)

100*-E*26**, 104*-E*26****, 100*-E*30****, 104*-E*30****, 100*-E*38****, 104*-E*38****

Contactors 3 Poles (3NO); rated frequency: 50/60Hz ; rated duties: Eight-hour duty
Utilization Category: AC-1, AC-3, AC-3e, AC-4, AC-8a

Rated Values
rated operational voltage **Ue** (V)**:** 400 VAC / 500 VAC / 690 VAC,
rated insulation voltage **Ui** (V)**:** 690 VAC
conventional free air thermal current **Ith** (A)**:** 100*-E*26****, 104*-E*26****, **45 A**
conventional free air thermal current **Ith** (A)**:** 100*-E*30****, 104*-E*30****, 100*-E*38****, 104*-E*38****, **50 A**
rated impulse withstand voltage **Uimp** (kV)**:** 6 kV (main), 4 kV (coil)
Short Circuit characteristics
rated prospective short-circuit current **"r"** (kA)**:** 3 kA
rated conditional short-circuit current **Iq** (kA)**:** 3 kA
type of co-ordination : Type 2

Test report Intertek Semko AB n. 1918016STO-001 (18 March, 2020)
CB Test Certificate n. SE-100467 (19 March, 2020)

100*-E*26**, 104*-E*26****, 100*-E*30****, 104*-E*30****, 100*-E*38****, 104*-E*38****

Contactors 4 Poles (4NO or 2NO+2NC); rated frequency: 50/60Hz; rated duties: Eight-hour duty
Utilization Category: AC-1, AC-3, AC-3e, AC-4, AC-8a

rated operational voltage **Ue** (V)**:** 400 VAC / 500 VAC / 690 VAC,
rated insulation voltage **Ui** (V)**:** 690 VAC
conventional free air thermal current **Ith** (A)**:** 100*-E*26****, 104*-E*26****, **45 A**
conventional free air thermal current **Ith** (A)**:** 100*-E*30****, 104*-E*30****, 100*-E*38****, 104*-E*38****, **50 A**

rated impulse withstand voltage **Uimp** (kV)**:** 6 kV (main), 4 kV (coil)
Rated Values

Short Circuit characteristics
rated prospective short-circuit current **"r"** (kA)**:** 3 kA
rated conditional short-circuit current **Iq** (kA)**:** 3 kA
type of co-ordination : Type 1

Test report Intertek Semko AB n. 1918017STO-001 (29 April, 2020)
CB Test Certificate Intertek Semko AB n. SE-100467 (19 March, 2020)

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

100*-E*40**, 104*-E*40****, 100*-E*52****, 104*-E*52****, 100*-E*65****, 104*-E*65****

Contactors 3 or 4 Poles (3NO or 4NO or 2NO+2NC); rated frequency: 50/60Hz; rated duties: Eight-hour duty
Utilization Category: AC-1, AC-3, AC-3e, AC-4, AC-8a

Rated Values
rated operational voltage **Ue** (V)**:** 220-400 / 380-415 / 440 / 500 / 690 VAC,
rated insulation voltage **Ui** (V)**:** 690 VAC
conventional free air thermal current **Ith** (A)**:** 100-E40**, **70 A**
conventional free air thermal current **Ith** (A)**:** 100-E50**, **100 A**
conventional free air thermal current **Ith** (A)**:** 100-E65**, **105 A**
rated impulse withstand voltage **Uimp** (kV)**:** 6 kV (main), 4 kV (coil)

Short Circuit characteristics
rated prospective short-circuit current **"r"** (kA)**:** 3 kA; 5kA (100-E65** up to 440V)
rated conditional short-circuit current **Iq** (kA)**:** 80kA (3 Pole, 690V)
type of co-ordination : Type 1 and 2

Type	Rated Voltage (V)	Rated Current (A)	Conditional Short-circuit Current , Iq (kA)	SCPD type of fuse	Type of Coordination
100-E40**	220-440	40	100 / 100	100A gG / 63A aM	2 / 2
	500	35	100 / 100	100A gG / 63A aM	2 / 2
	690	25	80 / 80	80A gG / 40A aM	2 / 2
100-E52**	220-440	53	100 / 100	125A gG / 80A aM	2 / 2
	500	45	100 / 100	125A gG / 80A aM	2 / 2
	690	35	80 / 80	80A gG / 63A aM	2 / 2
100-E65**	220-440	65	100 / 100	160A gG / 100A aM	1 / 2
	500	55	100 / 100	160A gG / 100A aM	1 / 2
	690	39	80 / 80	100A gG / 80A aM	2 / 2

Test report Intertek Semko AB n. 1918018STO-001 (18 March, 2020)
CB Test Certificate n. SE-100468 (19 March, 2020)

100*-E*80**, 104*-E*80****, 100*-E*96****, 104*-E*96****

Contactors 3 or 4 Poles; (3NO or 4NO or 2NO+2NC)**;** rated frequency: 50/60Hz; rated duties: Eight-hour duty
Utilization Category: AC-1, AC-3, AC-3e, AC-4, AC-8a

Rated Values
rated operational voltage **Ue** (V)**:** 220-240 / 380-415 / 440 / 500 / 690 / 1000 VAC,
rated insulation voltage **Ui** (V)**:** 1000 VAC
conventional free air thermal current **Ith** (A)**:** 3 pole**: 130A;** 4 pole**: 125A**
rated impulse withstand voltage **Uimp** (kV)**:** 8 kV (main), 4 kV (coil)

Short Circuit characteristics
rated prospective short-circuit current **"r"** (kA)**:** 3 kA (690/1000V); 5 kA (440V 3 pole); 5 kA (500V 4 pole)
rated conditional short-circuit current **Iq** (kA)**:** 35 kA (3Pole, 1000V); 80 kA (3 pole 690V)
type of co-ordination : Type 1 and 2

Type	Rated Voltage (V)	Rated Current (A)	Conditional Short-circuit Current , Iq (kA)	SCPD type of fuse	Type of Coordination
100-E80**	220-440	80	100 / 100	160A gG / 125A aM	2 / 2
	500	65	100 / 100	160A gG / 125A aM	2 / 2
	690	49	80 / 80	125A gG / 80A aM	2 / 2
	1000	25	35 / 35	50A gG / 50A aM	2 / 2
	1000	25	25	50A aM	2
100-E96**	220-440	96	100 / 100	200A gG / 125A aM	1 / 2
	500	80	100 / 100	200A gG / 125A aM	1 / 2
	690	57	80 / 80	160A gG / 100A aM	2 / 2
	1000	30	35 / 35	50A gG / 50A aM	2 / 2
	1000	30	25	50A aM	2

Test report Intertek Semko AB n. 1918019STO-001 (03 March, 2020)
CB Test Certificate Intertek Semko AB n. SE-100904 (28 April, 2020)

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

700-E**, 700S-E****, Electromagnetically operated control switches**

Number of poles: 4 (700-EF220, 700-EF310, 700-EF400) ; 8 (700S-EF440, 700S-EF350, 700S-EF620)
Rated frequency: 50/60Hz;

Rated operational voltage **Ue** (V): ref. below table; Rated operational current **Ie** (A): ref. below table
Conventional free air thermal current **Ith** (A): **16 A**
Rated insulation voltage **Ui** (V): 690 Vac
Rated frequency: 50/60Hz; Rated impulse withstand voltage **Uimp** (kV)**:** 6 kV (main), 4 kV (coil)
Short Circuit characteristics
Rated conditional short-circuit current **Iq** (kA)**:** 1 kA; Kind of protective device: fuse type gG

Type	AC-15		DC-13	
	Ue (V)	**Ie** (A)	**Ue** (V)	**Ie** (A)
700-E** **700S-E****	≤ 127	6	≤24	6
	>127≤240	4	>24≤48	2,8
	>240≤440	3	>48≤72	1
	>440≤690	2	>72≤125	0,55
			>125≤250	0,27
			>250≤400	0,15
			>400≤500	0,13
			>500≤600	0,1

Test report Intertek Semko AB n. 1911664STO-001 (25 October, 2020)
CB Test Certificate Intertek Semko AB n. SE-95894A1 (15 June, 2020)

Type key for products:

700S-E F 440 KJ C
1 2 3 4 5

1 = Bulletin no.
700-E = IEC Contactor Relay
700S-E = IEC Safety Contactor Relay
2 = Terminal type
F = Screw terminal
3 = Contact Configuration
220 = 2 NO / 2 NC contacts (700-EF)
310 = 3 NO / 1 NC contacts (700-EF)
400 = 4 NO / 0 NC contacts (700-EF)
440 = 4 NO / 4 NC contacts (700S-EF)
530 = 5 NO / 3 NC contacts (700S-EF)
620 = 6 NO / 2 NC contacts (700S-EF)
4 = Coil voltage code
KJ = 24-60 VAC / 20-60 VDC
KY = 48-130 VAC/VDC
KD = 100-250 VAC/VDC
KN = 250-500 VAC/VDC EQ = 12-20 VDC, low power consumption
EJ = 24-60 VAC / 20-60 VDC, low power consumption
QJ = 24 VDC, low power consumption, fast drop-out
5 = Contacts
Blank = No contact block provided (700-EF)
C = Contact block permanently fixed (700S-EF)

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

100-EJE Electromagnetically operated control switches

Rated operational voltage **Ue** (V): ref. below table; Rated operational current **Ie** (A): ref. below table
Conventional free air thermal current **Ith** (A): **5 A**; Rated insulation voltage: **Ui** (V): 250 Vac;
Rated impulse withstand voltage **Uimp** (kV): 4 kV; Rated frequency (Hz): 50-60Hz
Shortcircuit characteristic
Rated conditional shortcircuit current **Iq**: 100 A; Kind of protective device: fuse type gG

Test Report Intertek Semko AB n. 1911669STO-001 (25 October, 2019)
CB Test Certificate Intertek Semko AB n. SE-95890 (25 October, 2019)

100-ESA*B* Auxiliary Contacts

Rated operational voltage **Ue** (V): ref. below table; Rated operational current **Ie** (A): ref. below table
Conventional free air thermal current **Ith** (A): **2A / 0,1A**
Rated insulation voltage: **Ui** (V): 250 Vac
Rated impulse withstand voltage **Uimp** (kV): 4 kV
Rated frequency (Hz): 50-60Hz
Shortcircuit characteristic
Rated conditional shortcircuit current **Iq**: 1 kA
Kind of protective device: Fuse

Type	AC-15			DC-12		AC-14		DC-12	
	Ue (V)	Ie (A)		Ue (V)	Ie (A)	Ue (V)	Ie (A)	Ue (V)	Ie (A)
100-ESA*B*	>24≤240	2		≤ 24 >24≤48 >48≤72 >72≤125 >125≤250	2 1 0,3 0,2 0,1	125	0,1	110	0,1

Test Report Intertek Semko AB n. 1917690STO-001 (28 November, 2019)
CB Test Certificate Intertek Semko AB n. SE-96417 (11 December, 2019)

Type key for products:

100-ESA 10 B2
1 2 3

1 = Main designation
100-ESA = 1 pole, 2nd stack front-mounted contact block
2 = Number of auxiliary contacts
01 = 0 NO and 1 NC
10 = 1 NO and 0 NC
3 = Connection type and rated current
B = IP40 and 0,1 A
B2 = IP40 and 2 A
B3 = IP67 and 0,1 A
B4 = IP67 and 2 A

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

100-E* Auxiliary Contacts**

Rated operational voltage **Ue** (V): ref. below table; Rated operational current **Ie** (A): ref. below table
Conventional free air thermal current **Ith** (A): **16 A**
Rated insulation voltage: **Ui** (V): 690Vac; Rated impulse withstand voltage **Uimp** (kV): 6 kV
Rated frequency (Hz): 50-60Hz
Shortcircuit characteristic
Rated conditional shortcircuit current **Iq** (kA): 1kA
Kind of protective device: Fuse

100-E* Auxiliary Contacts**

Type	AC-15		DC13	
	Ue (V)	Ie (A)	Ue (V)	Ie (A)
100-E***	≤ 127	6	≤24	6
	>127≤240	4	>24≤48	2,8
	>240≤440	3	>48≤72	1
	>440≤690	2	>72≤125	0,55
			>125≤250	0,27
			>250≤400	0,15
			>400≤500	0,13
			>500≤600	0,1
100-EMCA02 100-ERMCA02	**Ue=** 500V **Ith**=16A **Ui**=690V **Uimp**=6 kV			

Test report Intertek Semko AB n. 1911668STO-001 (17 March, 2020)
CB Test Certificate Intertek Semko AB n. SE-100508 (23 March, 2020)

Type key for products:

100-E F C 11T
1 2 3 4

1 = Name of series
100-E, 2nd stack front-mounted contact block
2 = Contact arrangement
F = screw terminals
RF = Spring clamp (Push-in) terminals
3 = Contact arrangement
A = for 700-EF control relays
B = for 100-EF contactors without auxiliary poles
C = for 100-EF contactors with 1 NO auxiliary pole
4 = Number of NO- and NC-contacts
04 = 0 NO-contact and 4 NC-contact (only 100-EF**)
13 = 1 NO-contact and 3 NC-contact (only 100-EF**)
22 = 2 NO-contact and 2 NC-contact (only 100-EF**)
31 = 3 NO-contact and 1 NC-contact (only 100-EF**)
40 = 4 NO-contact and 0 NC-contact (only 100-EF**)

11T = 1 NO-contact and 1 NC-contact (only 100-EF*11T)

100-EMCA02
1

1 = Name of series
100-EMCA02 = interlock
100-ERMCA02 = interlock with push-in terminals

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

100-E*** Auxiliary Contacts

Rated operational voltage **Ue** (V)**:** ref. below table; Rated operational current **Ie** (A): ref. below table
Conventional free air thermal current **Ith** (A): **16A**
Rated insulation voltage: **Ui** (V): 690 Vac; Rated impulse withstand voltage **Uimp** (kV): 6 kV
Rated frequency (Hz): 50-60Hz
Shortcircuit characteristic
Rated conditional shortcircuit current **Iq** (kA): 1kA
Kind of protective device: Fuse type gG

Type	AC-15		DC13 (Q600)	
	Ue (V)	Ie (A)	Ue (V)	Ie (A)
100-E***	≤ 127	6	≤24	6
	>127≤240	4	>24≤48	4
	>240≤440	3	>48≤72	1
	>440≤690	2	>72≤125	0,55
			>125≤250	0,27
			>250≤400	0,15
			>400≤500	0,13
			>500≤600	0,1

Test report Intertek Semko AB n. 1911667STO-001 (19 December, 2019)
CB Test Certificate Intertek Semko AB n. SE-96538 (19 December, 2019)

Type key for products:

100-E S B 11
1 2 3 4

1 = Main designation
100-E = Auxiliary contact
2 = Terminal type
S or **F** = screw terminals
3 = Auxiliary type
A or B = 2-pole, side-mounted contact block (for **100-ES***)
A = 1-pole, 2nd stack front-mounted contact block (for **100-EF***)
AL = 1-pole, 2nd stack front-mounted contact block, leading (NO contact) or lagging (NC contact) (for **100-EF***)
4 = Number of auxiliary contacts (1st and 2nd stack)
01 = 0 NO-contact and 1 NC-contact (only 100-EFA, 100-EFAL)
10 = 1 NO-contact and 0 NC-contact (only 100-EFA, 100-EFAL)
11 = 1 NO-contact and 1 NC-contact (only 100-ESB or 100-ESA)

100-EFL Mechanical Latching Unit

Rated operational voltage **Ue** (V)**:** 500 V
Insulation voltage: **Ui** (V): 690 Vac; **Uimp** (kV) 4; IP20

Type key for products:

100-EFL 11 KJ
1 2 3

1 = Main designation
100-EFL = Mechanical Latching Unit
2 = Size of Contactor
11 = (Size 100-E09 up to 100-E65)
12 = (Size 100-E80 up to 100-E96)
3 = Ciol Code: KJ=24-60 VAC / 20-60 VDC; KY=8-130 VAC/VDC; KD=100-250 VAC/VDC; KN=250-500 VAC/VDC

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

Type Key for product

100*-E*09**, 100*-E*12****, 100*-E*16****, 100*-E*09**4**, 100*-E*16**4**, 100*-E*09**2**, 100*-E*16**2**, 104*-E*09****, 104*-E*12****, 104*-E*16******

	100-E	R	09	KJ	4	00	M
	1	2	3	4	5	6	7
1	**Name of Series**						
	100-E	IEC Standard Contactor					
	100S-E	IEC Safety Standard Contactor					
	104-E	IEC Reversing Contactor					
	104S-E	IEC Safety Reversing Contactor					
2	**Terminal Type**						
	Blank	Screw Terminal					
3	**Size of contactor**						
			09	IEC size1			
			12	IEC size1			
			16	IEC size1			
4	**Coil Voltage Code**						
				KJ	24-60 VAC / 20-60 VDC		
				KY	48-130 VAC/VDC		
				KD	100-250 VAC/VDC		
				KN	250-500 VAC/VDC		
				EQ	12-20 VDC, low power consumption		
				EJ	24-60 VAC / 20-60 VDC, low power consumption		
				QJ	24 VDC, low power consumption, fast drop-out		
5	**Number of power poles**						
	Blank	3 NO / 0 NC poles					
	2	2 NO and 2NC poles (100-E)					
	4	4 NO / 0 NC poles (100-E and 100S-E)					
6	**Auxiliary contact configuration**						
	00	0 NO / 0 NC aux.contacts (100-E all 2 and 4 power poles)					
	01	0 NO / 1 NC auxiliary contacts (100-E)					
	10	1 NO / 0 NC auxiliary contacts (100-E)					
	23C	0 NO / 1 NC standard auxiliary contacts (100S-E)					
		2 NO / 2 NC low-energy switching auxiliary contacts					
	14C	1 NO / 0 NC standard auxiliary contacts (100S-E)					
		0 NO / 4 NC low-energy switching auxiliary contacts					
	32C	1 NO / 0 NC standard auxiliary contacts (100S-E)					
		2 NO / 2 NC low-energy switching auxiliary contacts					
	02	0 NO / 2 NC auxiliary contacts (104-E)					
	22	2 NO / 2 NC auxiliary contacts (104-E)					
	28C	0 NO / 2 NC standard auxiliary contacts (104S-E)					
		0 NO / 4 NC low-energy switching auxiliary contacts					
7	**Options**						
	Blank	Single -Pack					
	M	Multi-Pack					

	100-E	--	38	KJ	--	00	M
	1	2	3	4	5	6	7
1	**Name of Series**						
	100-E	IEC Standard Contactor					
	100S-E	IEC Safety Standard Contactor					
	104-E	IEC Reversing Contactor					
	104S-E	IEC Safety Reversing Contactor					
2	**Terminal Type**						
	Blank	Screw Terminal					
3							
			26	IEC size 2			
			30	IEC size 2			
			38	IEC size 2			
4	**Coil Voltage Code**						
				KJ	24-60 VAC / 20-60 VDC		
				kY	48-130 VAC/VDC		
				KD	100-250 VAC/VDC		
				KN	250-500 VAC/VDC		
				EQ	12-20 VDC, low power consumption		
				EJ	24-60 VAC / 20-60 VDC, low power consumption		
				QJ	24 VDC, low power consumption, fast drop-out		
5	**Number of power poles**						
	Blank	3 NO / 0 NC poles					
6	**Auxiliary contact configuration**						
	00	0 NO / 0 NC auxiliary contacts (100-E)					
	04C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		0 NO / 4 NC low-energy switching auxiliary contacts					
	13C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		1 NO / 3 NC low-energy switching aux. contacts					
	22C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		2 NO / 2 NC low-energy switching aux. contacts					
	31C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		3 NO / 1 NC low-energy switching aux. contacts					
	02	0 NO / 2 NC auxiliary contacts (104-E)					
	22	2 NO / 2 NC auxiliary contacts (104-E)					
	66C	0 NO / 0 NC standard auxiliary contacts (104S-E)					
		6 NO / 6 NC low-energy switching aux. contacts					
	210C	1 NO / 1 NC standard auxiliary contacts (104S-E)					
		0 NO / 4 NC low-energy switching aux. contacts					
7	**Options**						
	Blank	Single-pack					
	M	Multi-pack					

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

Type Key for product														
100*-E*26*2**, 100*-E26*4**, 100*-E38*2**, 100*-E38*4**								100*-E40**, 100*-E52**, 100*-E65**, 100*-E40*4*, 100*-E52*4*, 100*-E40*2*, 104*-E40****, 104*-E52****, 104*-E65****						
	100-E	--	26	kJ	4	00	M	100-E	--	40	KJ	4	00	
	1	2	3	4	5	6	7	1	2	3	4	5	6	
1	**Name of Series**							**Name of Series**						
	100-E	IEC Standard Contactor						**100-E**	IEC Standard Contactor					
	100S-E	IEC Safety Standard Contactor						**100S-E**	IEC Safety Standard Contactor					
								104-E	IEC Reversing Contactor					
								104S-E	IEC Safety Reversing Contactor					
2	**Terminal Type**							**Terminal Type**						
	Blank	Screw Terminal						Blank	Screw Terminal					
3	**Size of contactor**													
	26	IEC size2						40	IEC size 3					
	38	IEC size2						52	IEC size 3					
								65	IEC size 3					
4	**Coil Voltage Code**							**Coil Voltage Code**						
	KJ	24-60 VAC / 20-60 VDC						KJ	24-60 VAC / 20-60 VDC					
	kY	48-130 VAC/VDC						kY	48-130 VAC/VDC					
	KD	100-250 VAC/VDC						KD	100-250 VAC/VDC					
	KN	250-500 VAC/VDC						KN	250-500 VAC/VDC					
	EQ	12-20 VDC, low power consumption												
	EJ	24-60 VAC / 20-60 VDC, low power consumption												
	QJ	24 VDC, low power consumption, fast drop-out												
5	**Number of power poles**							**Number of power poles**						
								Blank	3 NO / 0 NC poles					
	2	2 NO and 2NC poles (100-E)						2	2 NO and 2 NC poles (100-E)					
	4	4 NO / 0 NC poles (100-E and 100S-E)						4	4 NO / 0 NC poles (100-E and 100S-E)					
6	**Auxiliary contact configuration**							**Auxiliary contact configuration**						
	00	0 NO / 0 NC auxiliary.contacts						00	0 NO / 0 NC auxiliary contacts (100-E)					
	04C	0 NO / 0 NC standard auxiliary contacts						04C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		0 NO / 4 NC low energy switching aux. contacts							0 NO / 4 NC low-energy switching auxiliary contacts					
	13C	0 NO / 0 NC standard auxiliary contacts						13C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		1 NO / 3 NC low energy switching aux. contacts							1 NO / 3 NC low-energy switching aux. contacts					
	22C	0 NO / 0 NC standard auxiliary contacts						22C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		2 NO / 2 NC low energy switching aux. contacts							2 NO / 2 NC low-energy switching aux. contacts					
	31C	0 NO / 0 NC standard auxiliary contacts						31C	0 NO / 0 NC standard auxiliary contacts (100S-E)					
		3 NO / 1 NC low energy switching aux. contacts							3 NO / 1 NC low-energy switching aux. contacts					
								02	0 NO / 2 NC auxiliary contacts (104-E)					
								22	2 NO / 2 NC auxiliary contacts (104-E)					
								66C	0 NO / 0 NC standard auxiliary contacts (104S-E)					
									6 NO / 6 NC low-energy switching aux. contacts					
								210C	0 NO / 0 NC standard auxiliary contacts (104S-E)					
									2 NO / 2 NC low-energy switching aux. contacts					
7	**Options**													
	Blank	Single -Pack												
	M	Multi-Pack												

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.

TYPE APPROVAL CERTIFICATE

N. ELE155420CS

Type Key for product						
100*-E80, 100*-E80*4**, 100*-E80*2*, 100*-E96****						
	100-E	**80**	**KJ**	**4**	**00**	
	1	2	3	4	5	
1	**Name of Series**					
	100-E	IEC Standard Contactor				
	100S-E	IEC Safety Standard Contactor				
	104-E	IEC Reversing Contactor				
	104S-E	IEC Safety Reversing Contactor				
2	**Size of Contactor**					
	80	IEC size 3,5				
	96	IEC size 3,5				
3	**Coil Voltage Code**					
	KJ	24-60 VAC / 20-60 VDC				
	kY	48-130 VAC/VDC				
	KD	100-250 VAC/VDC				
	KN	250-500 VAC/VDC				
4	**Number of power poles**					
	Blank	3 NO / 0 NC poles				
	2	2 NO and 2NC poles (100-E)				
	4	4 NO / 0 NC poles (100-E and 100S-E)				
5	**Auxiliary contact configuration**					
	00	0 NO / 0 NC auxiliary.contacts (100E and all 2 and 4 power poles)				
	04C	0 NO / 0 NC standard auxiliary contacts (100S-E)				
		0 NO / 4 NC low energy switching aux,contacts				
	13C	0 NO / 0 NC standard auxiliary contacts (100S-E)				
		1 NO / 3 NC low energy switching auxiliary contacts				
	22C	0 NO / 0 NC standard auxiliary contacts (100S-E)				
		2 NO / 2 NC low energy switching auxiliary contacts				
	31C	0 NO / 0 NC standard auxiliary contacts (100S-E)				
		3 NO / 1 NC low energy switching auxiliary contacts				
	02	0 NO / 2 NC auxiliary contacts (104-E)				
	22	2 NO / 2 NC auxiliary contacts (104-E)				
	66C	0 NO / 0 NC standard auxiliary contacts (104S-E) 6 NO / 6 NC low energy switching auxiliary contacts				
	210C	0 NO / 0 NC standard auxiliary contacts (104S-E)				

Digitally signed by RINA Services S.p.A. on 07 Aug 2020. No handwritten signature is provided.