

EC2121

Starterkit ecomatController

beinhaltet:

ecomatController CR710S

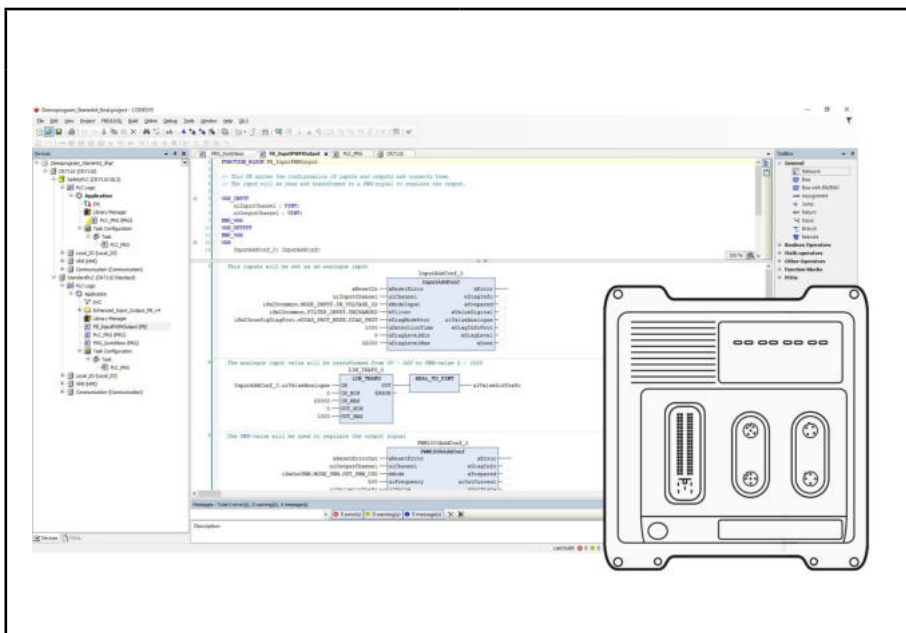
I/O-Simulatorbox mit
Anschlusskabel und
Anschlussstecker

Ethernetkabel

CoDeSys V3.5

Handbücher

USB-Stick



Technische Daten

Lieferumfang

Einstieg in den ecomatController und in die Applikationssoftware CoDeSys V3.5

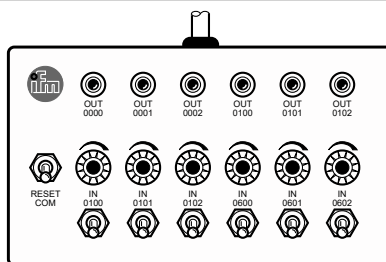
Steuerung ecomatController (CR710S)

I/O Simulatorbox (siehe unten)
inkl. Anschlusskabel, vorkonfektioniert mit ...
1x AMP Stecker, 81-polig, verriegelbar und verpolsicher,
2x 4 mm Steckverbinder, 1-polig (Spannungsversorgung),
2x Kabeldose, 5-polig, M12 (CAN Bus 1 und 2),
3x 8-poliger Flachstecker (8x I, 4x O)
3x 8-polige Buchse (konfektionierbar), 24 Kontakte

1x Ethernetkabel, 2 m, RJ45 / M12

USB-Stick mit Software und Dokumentation

I/O-Simulatorbox



6 Signalleuchten LED, rot
zur Simulation der Ausgänge

6 Potentiometer, 10 kΩ linear
zur Simulation eines Analogeingangs

6 Miniatur-Kippschalter zur Simulation
der Digitaleingänge
(Ein/Aus Schalter/Taster)

Systemvoraussetzungen

Windows 7 (Service Pack 1 oder höher) / 10 (32/64 Bit),
geeignete PC-Hardware für die entsprechende Windows-Plattform.

Empfehlung:
Windows 10 64-Bit
CPU: i5

RAM: 16 GB

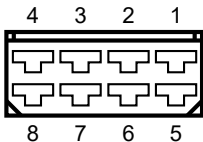
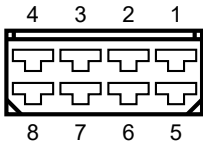
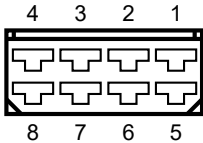
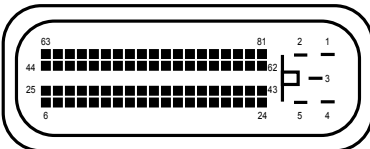
Monitor / Display: 15,6" Wide Screen Display FHD

24 DC

<550 (ohne Last)

Betriebsspannung [V]

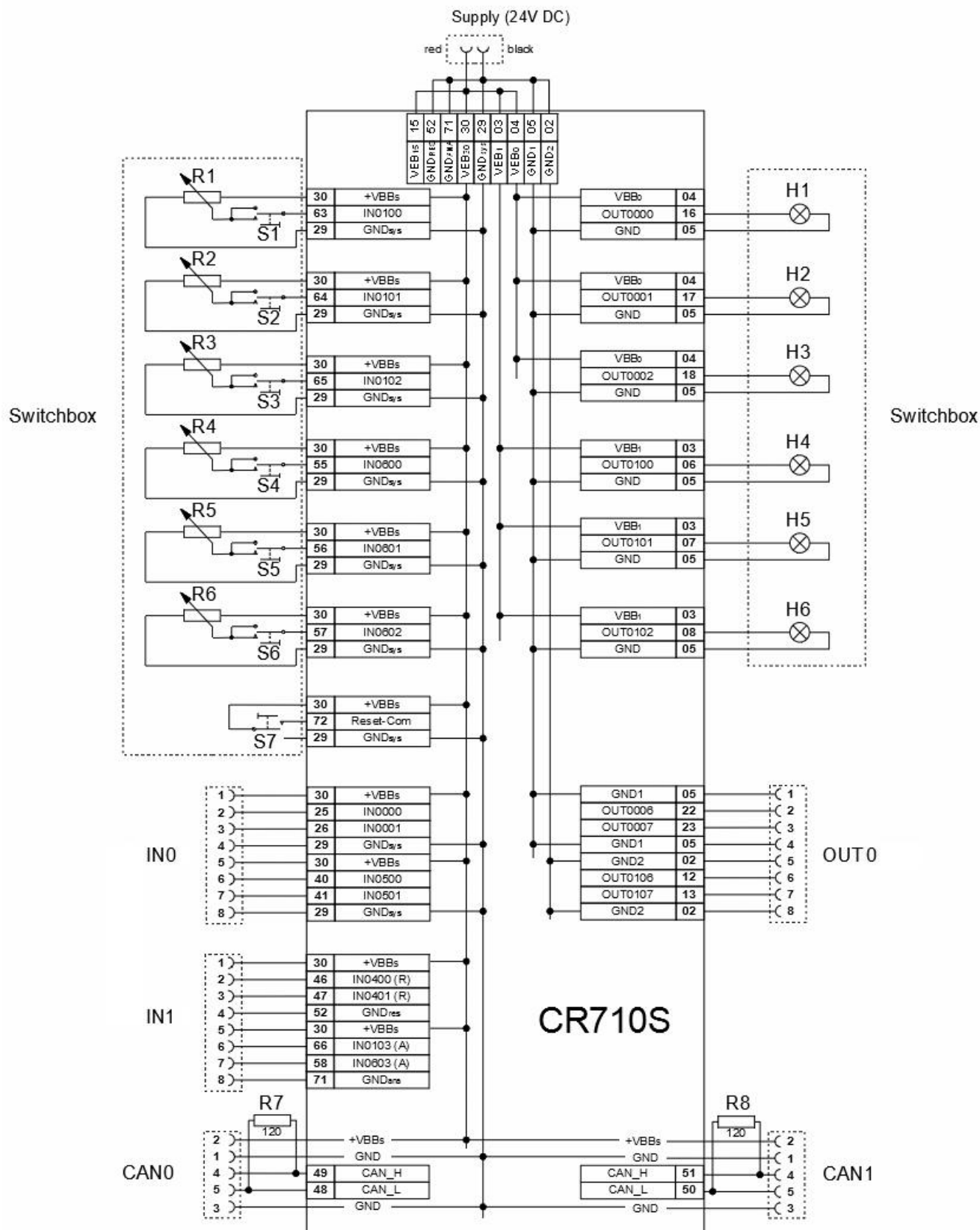
Stromaufnahme [mA]

EC2121	Technische Daten
Steckverbindungen	
Spannungsversorgung	einzelne Buchsen rot: VBB schwarz: GND
IN0	Flachstecker, 8-polig (gelb) 1: VBB _S 2: IN0000 3: IN0001 4: GND _{SYS} 5: VBB _S 6: IN0500 7: IN0501 8: GND _{SYS} 
IN1	Flachstecker, 8-polig (gelb) 1: VBB _S 2: IN0400 3: IN0401 4: GND _{RES} 5: VBB _S 6: IN0103 7: IN0603 8: GND _{ANA} 
OUT0	Flachstecker, 8-polig (grün) 1: GND ₁ 2: OUT0006 3: OUT0007 4: GND ₁ 5: GND ₂ 6: OUT0106 7: OUT0107 8: GND ₂ 
CAN0	M12-Buchse, 5-polig, A-codiert 1: GND 2: VBB _S 3: CAN_GND 4: CAN0_H 5: CAN0_L 
CAN1	M12-Buchse, 5-polig, A-codiert 1: GND 2: VBB _S 3: CAN_GND 4: CAN1_H 5: CAN1_L 
Anschluss Steuerung	AMP, 81-polig, A-codiert 1-81: siehe Schaltplan 

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Schaltplan

Technische Daten



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Starter kit ecomatController

includes:

ecomatController CR710S

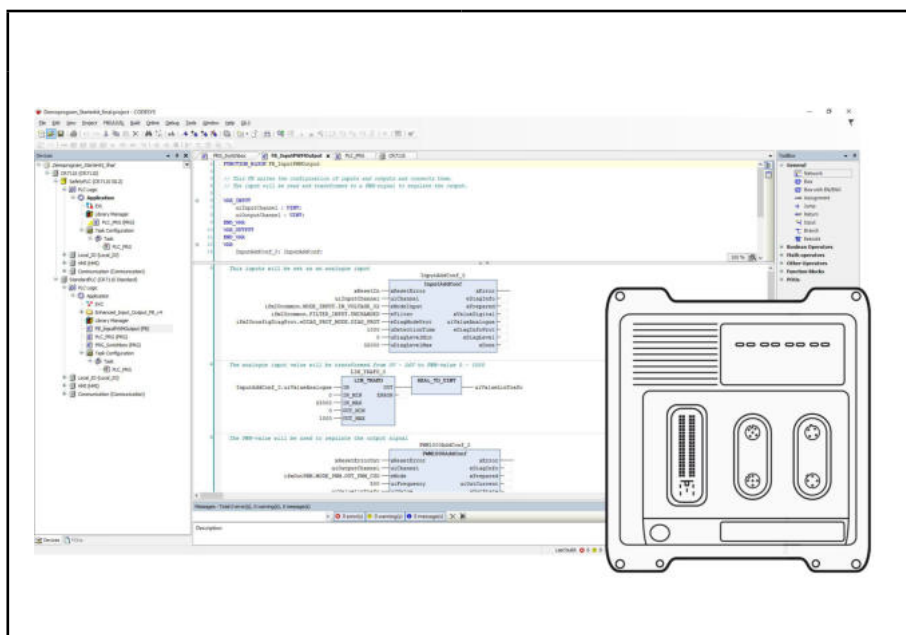
I/O simulator box with
connection cable and
connector

Ethernet cable

Codesys V3.5

Manuals

USB flash drive



Technical data

Items supplied

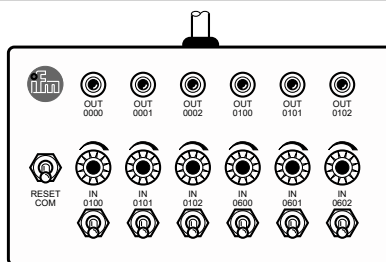
ecomatController (CR710S)

I/O simulator box (see below)
incl. connection cable, pre-wired with ...
1 x 81-pole AMP connector, lock function and reverse-polarity protection,
2 x 4 mm 1-pole connector (voltage supply),
2 x 5-pole socket, M12 (CAN bus 1 and 2),
3x 8-pole flat-pin connector (8x I, 4x O)
3x 8-pole socket (wirable), 24 contacts

1x Ethernet cable, 2 m, RJ45 / M12

USB stick with software and documentation

I/O simulator box



6 signalling LEDs, red
to simulate the outputs

6 potentiometers, 10 kΩ linear
to simulate an analogue input

6 miniature toggle switches
to simulate the digital inputs (on/off
toggle/push up)

System requirements

Windows 7 (Service Pack 1 or higher) / 10 (32/64 Bit),
suitable PC hardware for the appropriate Windows platform.

Recommendation:
Windows 10 64 bits
CPU: i5

RAM: 16 GB

Screen / display: 15.6" wide screen display FHD

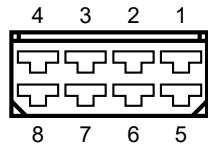
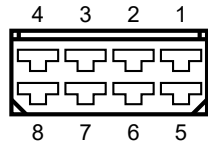
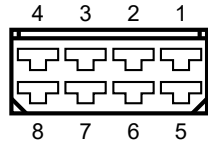
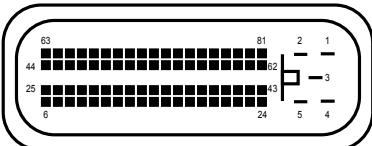
24 DC

Operating voltage [V]

Current consumption [mA]

<550 (without load)

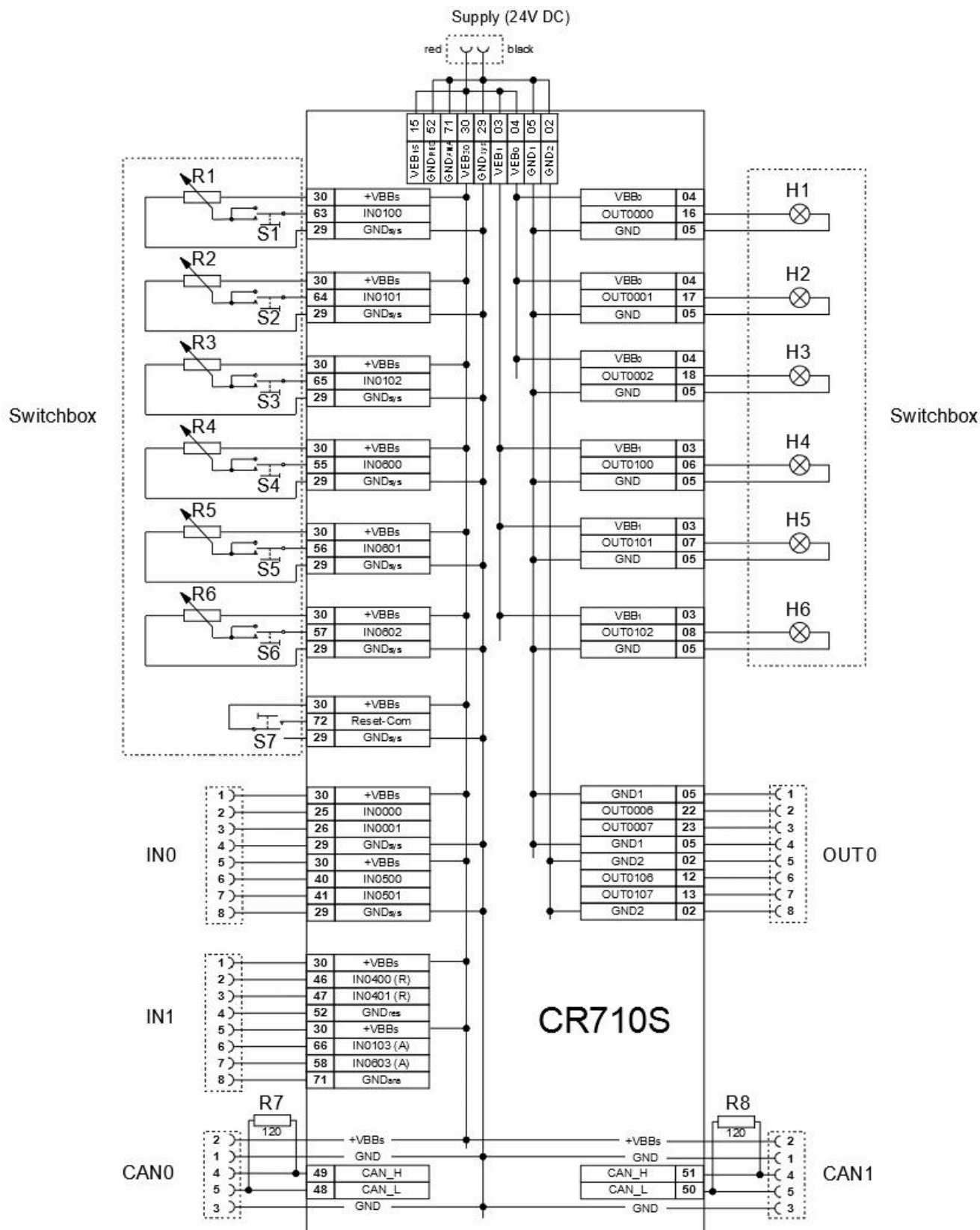


EC2121	Technical data
Connectors	
Voltage supply	Separate sockets red: VBB black: GND
IN0	Flat-pin connector, 8-pole (yellow) 1: VBB_S 2: IN0000 3: IN0001 4: GND_{SYS} 5: VBB_S 6: IN0500 7: IN0501 8: GND_{SYS} 
IN1	Flat-pin connector, 8-pole (yellow) 1: VBB_S 2: IN0400 3: IN0401 4: GND_{RES} 5: VBB_S 6: IN0103 7: IN0603 8: GND_{ANA} 
OUT0	Flat-pin connector, 8-pole (green) 1: GND₁ 2: OUT0006 3: OUT0007 4: GND₁ 5: GND₂ 6: OUT0106 7: OUT0107 8: GND₂ 
CAN0	M12 socket, 5 poles, A-coded 1: GND 2: VBB_S 3: CAN_GND 4: CAN0_H 5: CAN0_L 
CAN1	M12 socket, 5 poles, A-coded 1: GND 2: VBB_S 3: CAN_GND 4: CAN1_H 5: CAN1_L 
Connection controller	AMP, 81-pole, A-coded 1-81: see circuit 

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Circuit diagram

Technical data



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Kit de démarrage
ecomatController

comprenant :

ecomatController CR710S

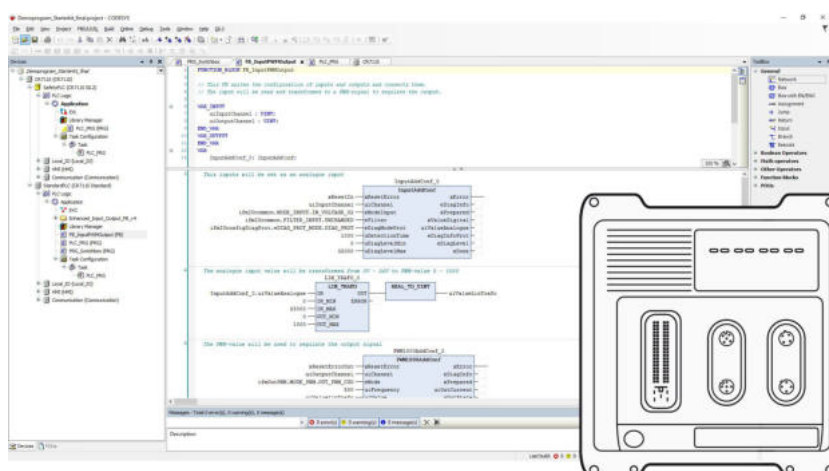
Boîtier de simulation E/S avec
son câble de raccordement

Câble Ethernet

CoDeSys V3.5

Manuels

Clé USB



Données techniques

Fourniture

Introduction à l'ecomatController et au logiciel de programmation CoDeSys V3.5

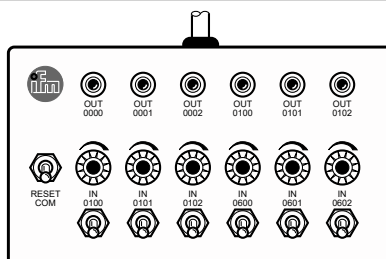
Système de contrôle-commande ecomatController (CR710S)

Boîtier de simulation E/S (voir ci-dessous)
avec son câble de raccordement muni de :

- 1x connecteur AMP, 81 pôles, verrouillable et protégé contre l'inversion de polarité,
- 2x connecteur 4 mm, 1 pôle (alimentation en tension),
- 2x connecteur femelle, 5 pôles, M12 (bus CAN 1 et 2),
- 3x connecteur plat 1x8 pôles (8x E, 4x S)
- 3x connecteur femelle, 8 pôles (a câbler), 24 contacts

1x câble Ethernet, 2 m, RJ45 / M12

Clé USB contenant le logiciel et la documentation



6 LED de signalisation, rouges,
pour simuler des sorties

6 potentiomètres, 10 kΩ linéaire,
pour simuler des entrées analogiques

6 commutateurs miniatures pour
simuler
des entrées TOR
(on/off, position maintenue/
impulsionnelle)

Boîtier de simulation E/S

Configuration minimum

Windows 7 (Service Pack 1 ou supérieur) / 10 (32/64 bits),
PC approprié à la plateforme Windows correspondante.

Recommandations :

Windows 10 64 bits

UC : i5

RAM : 16 GB

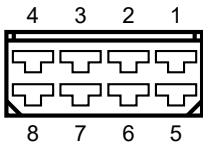
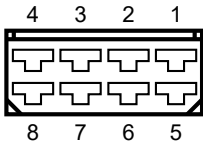
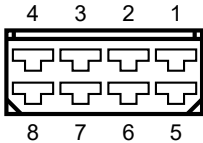
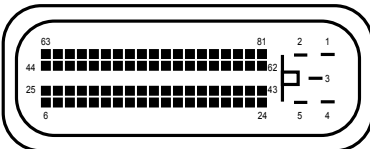
Moniteur / Afficheur : grand écran 15,6" FHD

24 DC

<550 (sans charge raccordée)

Tension d'alimentation [V]

Consommation [mA]

EC2121	Données techniques
Connecteurs	
Alimentation en tension	Prises individuelles Rouge : VBB Noir : GND
IN0	Connecteur plat, 8 pôles (jaune) 1 : VBB _s 2 : IN0000 3 : IN0001 4 : GND _{sys} 5 : VBB _s 6 : IN0500 7 : IN0501 8 : GND _{sys} 
IN1	Connecteur plat, 8 pôles (jaune) 1 : VBB _s 2 : IN0400 3 : IN0401 4 : GND _{RES} 5 : VBB _s 6 : IN0103 7 : IN0603 8 : GND _{ANA} 
OUT0	Connecteur plat, 8 pôles (vert) 1 : GND ₁ 2 : OUT0006 3 : OUT0007 4 : GND ₁ 5 : GND ₂ 6 : OUT0106 7 : OUT0107 8 : GND ₂ 
CAN0	Prise M12, 5 pôles, codage A 1 : GND 2 : VBB _s 3 : CAN_GND 4 : CAN0_H 5 : CAN0_L 
CAN1	Prise M12, 5 pôles, codage A 1 : GND 2 : VBB _s 3 : CAN_GND 4 : CAN1_H 5 : CAN1_L 
Raccordement au système de contrôle-commande	AMP, 81 pôles, codage A 1-81 : voir schéma électrique 

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Schéma électrique

Données techniques

