ecomat100

Steuerungssysteme

EC2121

Starterkit ecomatController

beinhaltet:

ecomatController CR710S

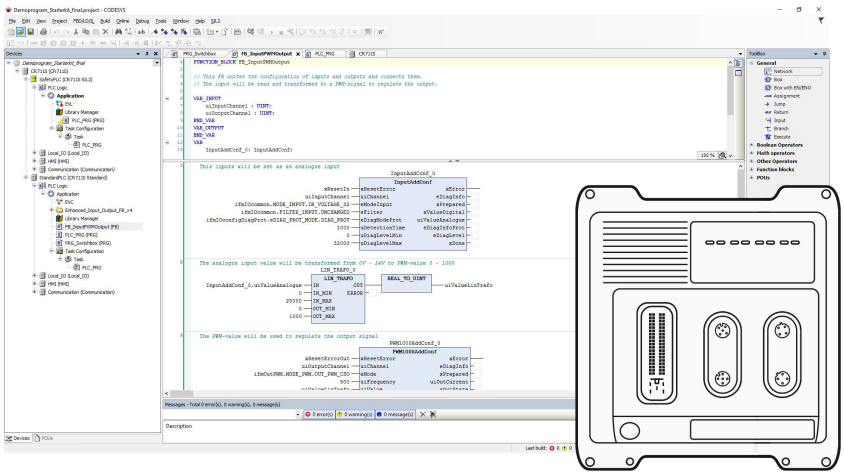
I/O-Simulatorbox mit Anschluesskabel und Anschlusstecker

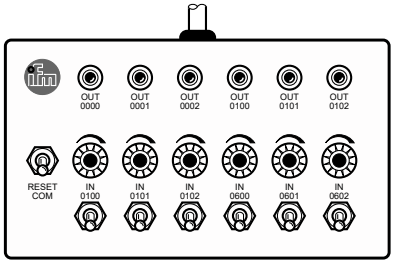
Ethernetkabel

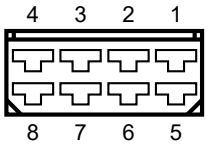
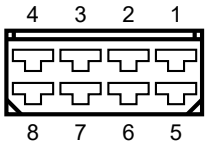
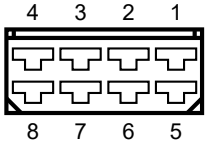
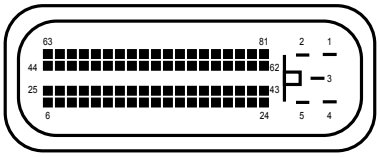
CoDeSys V3.5

Handbücher

USB-Stick

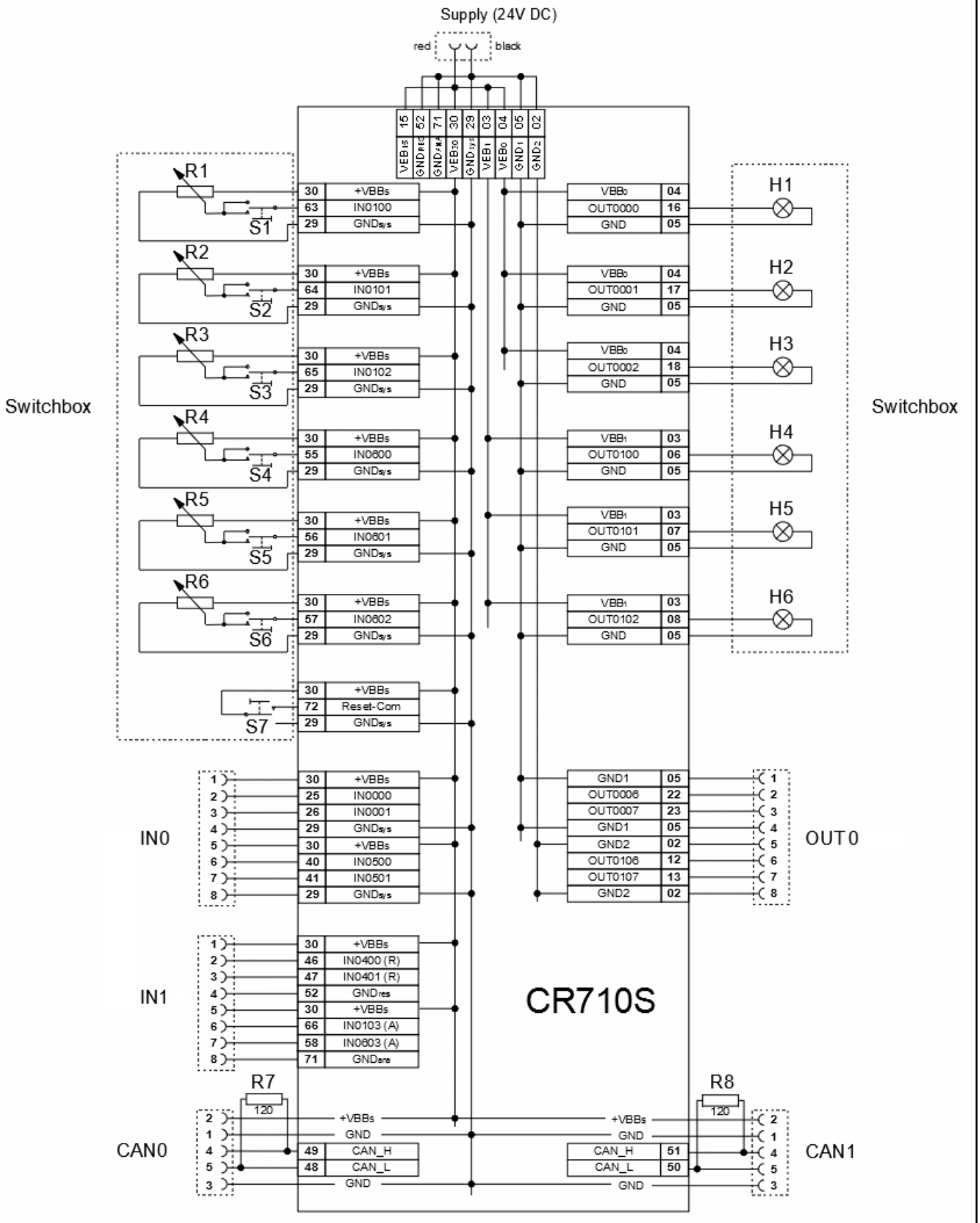


Technische Daten	Einstieg in den ecomatController und in die Applikationssoftware CoDeSys V3.5
Lieferumfang	Steuerung ecomatController (CR710S)
	I/O Simulatorbox (siehe unten) inkl. Anschlusskabel, vorkonfektioniert mit ... 1x AMP Stecker, 81-polig, verriegelbar und verpolsicher, 2x 4 mm Steckverbinder, 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
Betriebsspannung [V]	24 DC
Stromaufnahme [mA]	<550 (ohne Last)

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 

EC2121 | **Technische Daten**

Schaltplan



ecomat100

Control systems

EC2121

Starter kit ecomatController

includes:

ecomatController CR710S

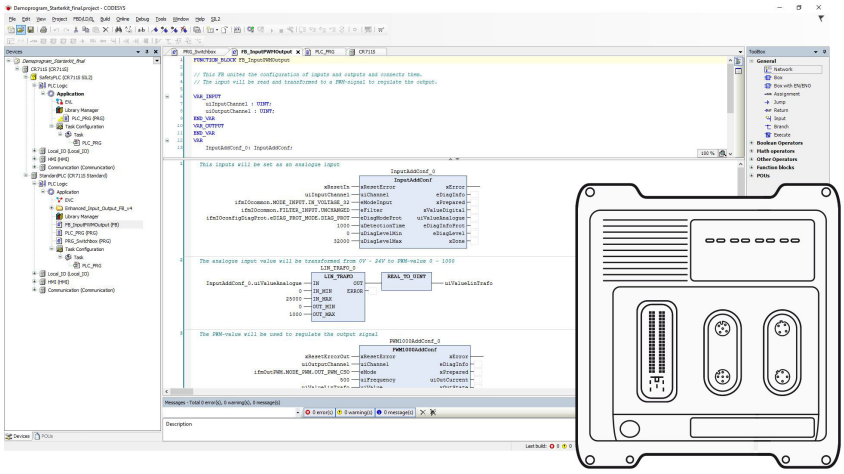
I/O simulator box with connection cable and connector

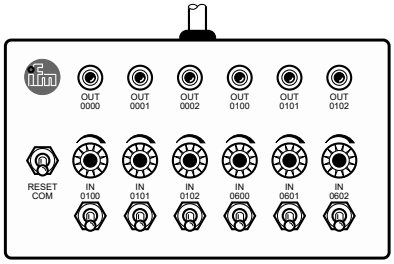
Ethernet cable

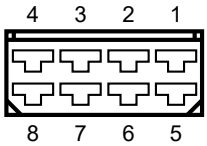
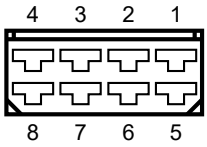
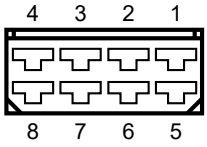
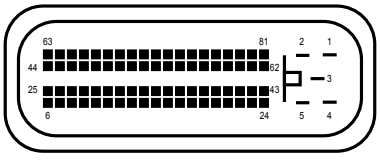
Codesys V3.5

Manuals

USB flash drive

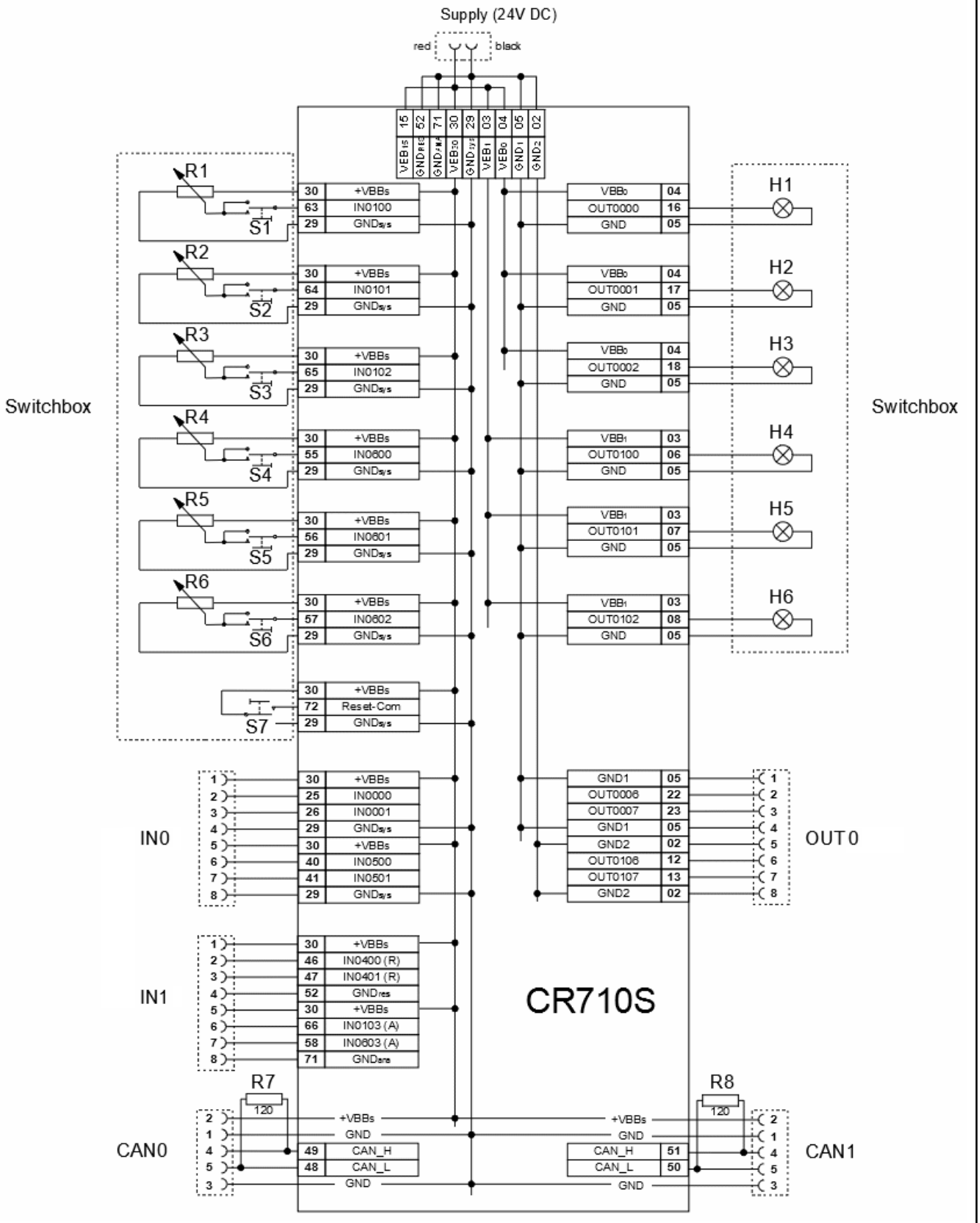


Technical data	Quick guide to the ecomatController and the CoDeSys V3.5 application software
Items supplied	ecomatController (CR710S)
	I/O simulator box (see below) incl. connection cable, pre-wired with ... 1 x 81-pole AMP connector, lock function and reverse-polarity protection, 2 x 4 mm 1-pole connector (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
Operating voltage [V]	24 DC
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: GND_1 2: OUT0006 3: OUT0007 4: GND_1 5: GND_2 6: OUT0106 7: OUT0107 8: GND_2 
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 

EC2121 | **Technical data**

Circuit diagram



ecomat100

Systèmes de contrôle-commande

EC2121

Kit de démarrage ecomatController

comprenant :

ecomatController CR710S

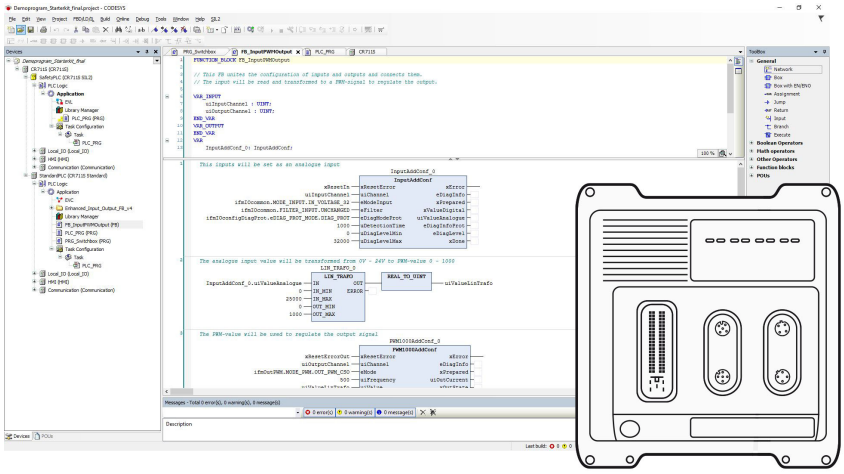
Boîtier de simulation E/S avec son câble de raccordement

Câble Ethernet

CoDeSys V3.5

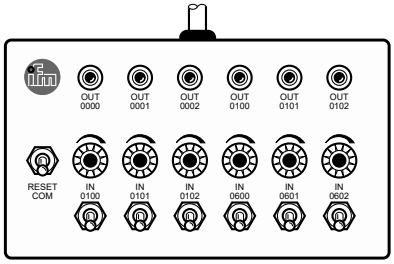
Manuels

Clé USB



Données techniques

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

Fourniture	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
Boîtier de simulation E/S	 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)
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
Tension d'alimentation [V]	24 DC
Consommation [mA]	<550 (sans charge raccordée)

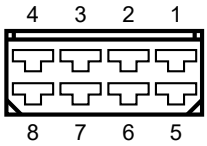
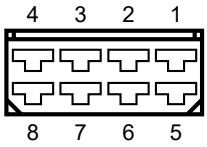
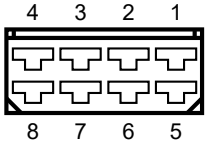
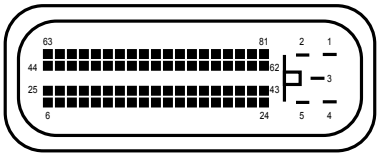
EC2121	Données techniques
Connecteurs	
Alimentation en tension	Prises individuelles Rouge : VBB Noir : GND
IN0	Connecteur plat, 8 pôles (jaune) 1 : VBB_S 2 : IN0000 3 : IN0001 4 : GND_{SYS} 5 : VBB_S 6 : IN0500 7 : IN0501 8 : GND_{SYS} 
IN1	Connecteur plat, 8 pôles (jaune) 1 : VBB_S 2 : IN0400 3 : IN0401 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