



Conform to IEC/EN 61131-2 (Programmable controllers)

CX³ energy management system enables to measure, control and visualize the state of rail mounting protection devices (MCBs, RCCBs, RCBOs, etc...) and head equipment (DMX³ and DPX³), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for communication patch cords). Power supply with specific module Cat.No 4 149 45 (p. 101)

Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via E-Catalogue (giving also access to a 30-day trial version of Energy Management Software Cat.No 4 149 38/39)

Pack	Cat.Nos	Measurement modules	Number of modules	Pack	Cat.Nos	Universal control module	Number of modules
		For measuring current, voltage, active/reactive power and other values Conform to IEC/EN 61557-12 Accuracy: class 0.5					
1	4 149 19 ¹	Direct connection up to 63 A Single-phase measuring module and closed Rogowski coil up to 63 A Consumption: 0.409 W - 34.1 mA (12 V =)	1	1	4 149 32 ¹	2 relays: 240 V ~ - 6 A Enables to remotely control different electrical loads or motorised controls associated to rail mounting protection devices or head equipment (DPX ³ MCCBs) Equipped with DIP switches (on the side) allowing product configuration: contact type (NO + NC, 2 NO, etc...) and function (maintained or momentary contact) Consumption: 0.456 W - 38 mA (12 V =)	1
1	4 149 20 ¹	3-phase measuring module and closed Rogowski coil up to 63 A Consumption: 0.418 W - 34.8 mA (12 V =)	1				
1	4 149 23	Connection with CT 5 A measuring module connected via current transformers (CT) Consumption: 0.391 W - 32.6 mA (12 V =)	1				
		Pulse concentrator					
1	4 149 26 ¹	For collecting and transmitting measurements taken by universal pulse energy meters (water, gas, etc...) Up to 3 pulse circuits Consumption: 0.288 W - 24 mA (12 V =)	1				
		State reporting modules					
1	4 149 29 ¹	Auxiliary + fault signalling contact Indicates the position of the contacts and the fault tripping of its associated device. To fit on the left-hand side of DX ³ MCBs, RCCBs, RCBOs and isolating switches Consumption: 0.236 W - 19.7 mA (12 V =)	0.5				
1	4 149 30 ¹	Universal signalling module Equipped with 3 LED lights: green, red and yellow Indicates various type of information, according to selected configuration: contacts position, plugged-in or drawn-out product, etc... Equipped with DIP switches (on the side) allowing product configuration: selection of information type and of the LED behaviour Compatible with rail mounting protection devices or head equipment (DMX ³ and DPX ³) Consumption: 0.377 W - 31.4 mA (12 V =)	1	1	4 149 31 ¹	Control and state reporting module For CX³ latching relays and 1 and 2-module contactors up to 25 A Indicates the position of the contacts and enables remote control of its associated product Equipped with DIP switches (on the side) allowing product configuration: selection of the main product (latching relay or contactor). To fit on the left-hand side of the CX ³ latching relays and contactors Consumption: 0.372 W - 31 mA (12 V =)	1
						1: Enables upstream busbar connection	

