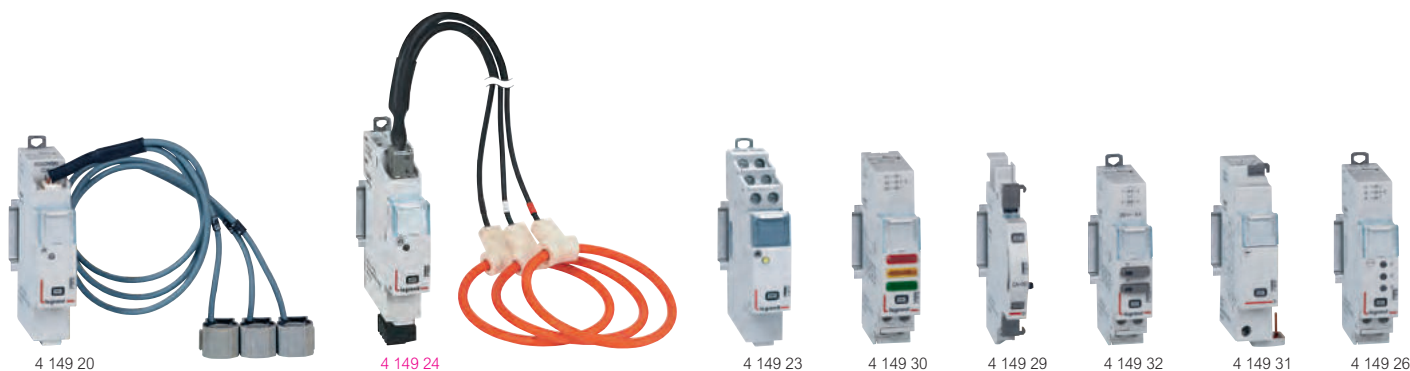


CX³ energy management system



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
 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 | Pack | Cat.Nos | Pulse concentrator | 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 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 |
| 1 | 4 149 18 | Direct connection up to 63 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils 3 x single-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =) | 1 | 4 149 29 ¹ | State reporting modules 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 19 ¹ | Single-phase measuring module + 1 coil Consumption: 0.409 W - 34.1 mA (12 V =) | 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 20 ¹ | 3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =) | 1 | 4 149 32 ¹ | Universal control module 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 21 | Direct connection up to 125 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils 3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =) | 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 | 4 149 22 | Direct connection with open, flexible Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with opened, flexible Rogowski coils and fixing supports for busbars 3-phase measuring module + 3 coils up to 630 A Consumption: 0.418 W - 34.8 mA (12 V =) | 1 | | | |
| 1 | 4 149 24 | 3-phase measuring module + 3 coils up to 1600 A Consumption: 0.418 W - 34.8 mA (12 V =) | 1 | | | |
| 1 | 4 149 25 | 3-phase measuring module + 3 coils up to 3200 A Consumption: 0.418 W - 34.8 mA (12 V =) | 1 | | | |
| 1 | 4 149 27 | 3-phase measuring module + 3 coils up to 6300 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 | | | |
| 1 | 4 149 15 | Extension kits for Rogowski coils Supplied with connectors Length: 1 m | | | | |
| 1 | 4 149 16 | Length: 3 m | | | | |

1: Enables upstream busbar connection