

Arteor™ BUS/SCS

lighting control and automation

■ System principle

The lighting control system allows the management of different functions in a simultaneous and integrated way. All the components of the lighting control system are interconnected via an electronic circuit that can be programmed : the BUS. The information is exchanged through the 2 wire BUS cable at low voltage (27 V=)

There are two types of devices in the system :

- the controls units, which are connected only to the BUS cable and
- the actuators, connected both to the BUS cable and to the 230V~ power line for managing the connected load

When the lighting control system devices are configured properly, it is possible to manage the load as follows :

- control for a single load
- control for one or more load groups
- simultaneous management of all loads

It is also possible to carry out special functions, which are hard to achieve with conventional electrical systems

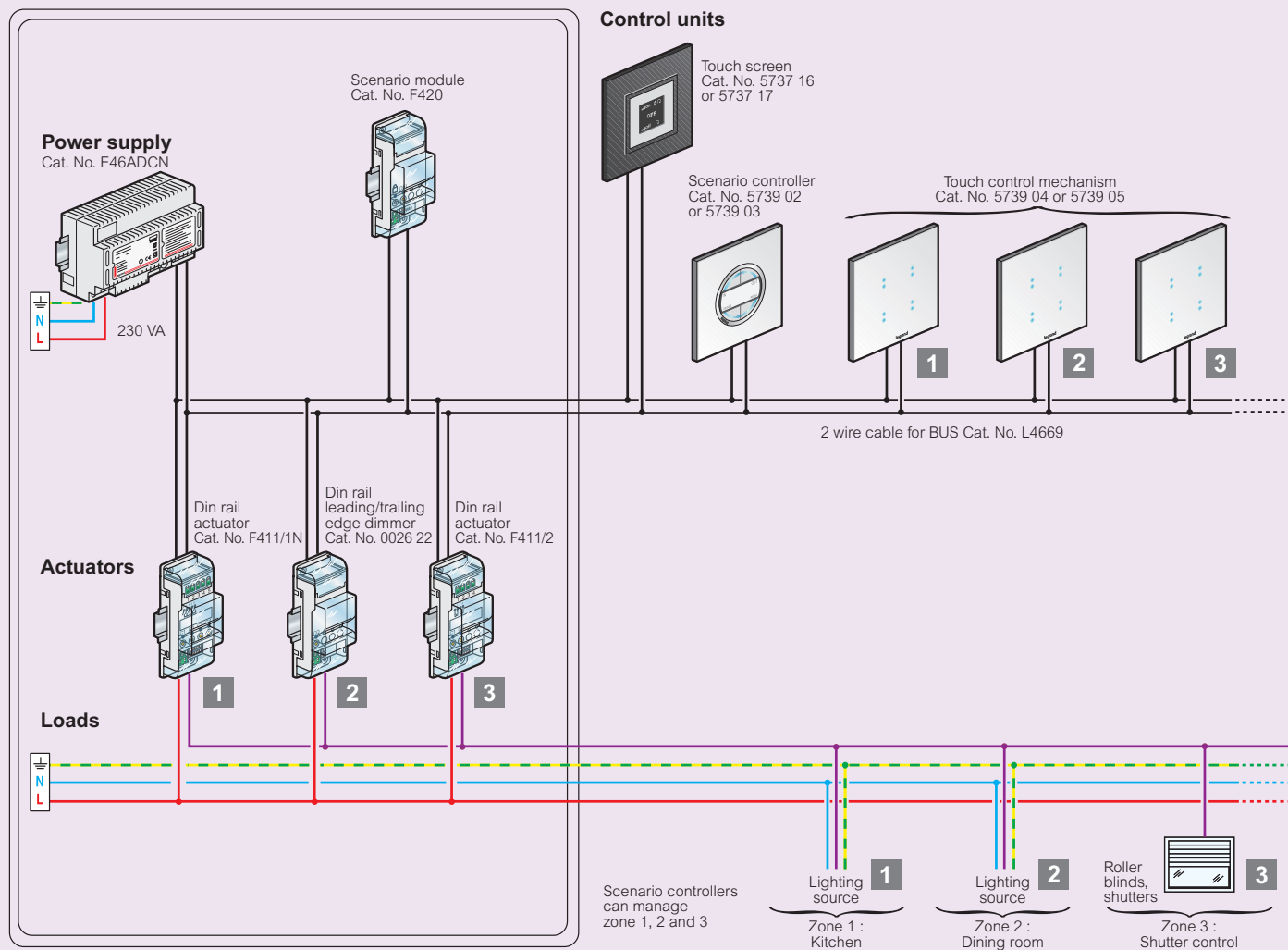
These functions are called scenarios

One scenario is a set of simultaneous control of multiple groups of loads, used in order to modify the environment according to the user's needs. An example of a scenario can be represented by the simultaneous activation of lights, which can be set by the user after getting inside the building by using one single control device or by using the touch screen menu

■ Installation principle

Consumer unit

Control units



■ Actuators and dimmers max. loads at 230 V

		Universal								
		Leading edge				Trailing edge				
Cat. Nos.		Incandescent lamp	Halogen lamp	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent lamp	LED	Fluorescent lamps with 0-10 V ballast	Reducer motor for shutter
ACTUATORS	F411/1N	3 500 W	3 500 W	1 000 VA	1 000 VA	1 000 VA	1 000 VA	-	-	-
	F411/2	2 300 W	2 300 W	500 VA	250 VA	250 VA	250 VA	-	-	500 VA
	F411/4	1 400 W	1 400 W	500 VA	70 VA	70 VA	70 VA	-	-	500 VA
	0026 01	2 x 3 600 W	2 x 3 600 W	2 x 3 600 VA	2 x 1 000 VA	2 x 1 000 VA	-	-	-	-
	0026 02	4 x 1 000 W	4 x 1 000 W	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA	-	4 x 100 VA
DIMMERS	F413N	-	-	-	-	-	-	10 x 55 VA	10 x 55 VA	-
	0026 11	-	-	-	-	-	-	-	1 000 VA - 50 mA	-
	0026 21	1 000 W	1 000 W	500 VA	500 VA	-	-	-	-	-
	0026 22	2 x 500 W	2 x 500 W	2 x 250 VA	2 x 500 VA	-	-	-	-	-
	F414	1 000 W	1 000 W	1 000 VA	-	-	-	-	-	-
	F415	-	-	-	400 VA	-	-	-	-	-
	F418	300 W	300 W	-	300 VA	-	300 VA	300 VA	-	-