

transformers and buzzers and bells



042 25



042 52



041 07



Dimensions (p. 159)

Pack	Cat.Nos	Bell transformers			
		Conform to IEC / EN 61558-2-8 Protected against overloads and short circuits. In the event of an overload, switch "OFF" the power supply and allow the transformer to cool down before switching on again With label holders Wall or rail mounting (for 4 modules) Possibility for supply busbars to run through (Cat.No 042 25)			
		230 V / 12 V - 8 V			
		Secondary (V)	Rating (A)	Power (VA)	Number of modules
1	042 25	12/8	0.66/1	8	2
1	042 41	12/8	2/3	24	4
		230 V / 24 V - 12 V			
1	042 37	24/12	1/1.5	24 - 18	4

Pack	Cat.Nos	Safety transformers						
		Conform to IEC / EN 61558-2-6 Protected against overloads and short circuits. In the event of an overload, switch "OFF" the power supply and allow the transformer to cool down before switching on again Wall or rail mounting (for 4 modules)						
		230 V / 12 or 24 V						
		(per coupling 2 x 12 V for Cat.No 042 54) Supplied with strip						
		P (VA)	No-load loss (W)	Voltage drop Cos φ = 1	Efficiency % Cos φ = 1	Ucc (%)	I (A) primary loaded	Number of modules
1	042 52	25	2.5	29	66	23.3	0.142	4
1	042 54	63	4	15.7	75	13.6	0.33	5

Pack	Cat.Nos	Buzzers and bells				
		50 Hz AC - Connection by screw terminals, with label holder Allow insertion of supply busbars Caution: remove lamps from illuminated push-buttons when used with Cat.Nos 041 01/10/11				
		Bells				
		Voltage (V~)	Power (VA)	Consum. (mA)	Acoustic power ⁽¹⁾ (dB)	Number of modules
10	041 01	8/12	4.8	272/378	80/84	1
10	041 07	230	4	21	83	1
		Buzzers				
10	041 13	230	4	21	73	1

socket outlets and special supports



042 80



042 85

044 05
Equipment model:
auxiliary control044 06
Equipment model:
bulbs, switch748 72
Equipment model:
ACO⁽¹⁾ socket 742 40

Dimensions (p. 159)

Allow insertion of supply busbars

Pack	Cat.Nos	10/16 A - 250 V~	
		French standard	Number of modules
10	042 80	2P + \perp shuttered	2.5
		German standard	2.5
10	042 85	2P + \perp shuttered	
		20 A - 400 V~	Number of modules
		French standard	3.5
5	042 91	3P + \perp shuttered	3.5
5	042 92	3P + N + \perp shuttered	
		Special supports	Number of modules
10	044 05	Pre-drilled support For mounting Ø22.5 mm control and signalling units	3
10	044 06	Support or blanking cover For other equipment (ex. switch, bulbs, printed-circuits...)	3
		Mosaic support	
10	748 72	For mounting Mosaic 2-module mechanisms Support width 46.3 mm	
		Spacing unit	
		Places between two devices which may cause a rise in temperature Enables there to be a whole number of modules and to allow insertion of the supply busbars Enables wires to pass inside of the unit	
10	044 40	0.5 module	
5	044 41	1 module	

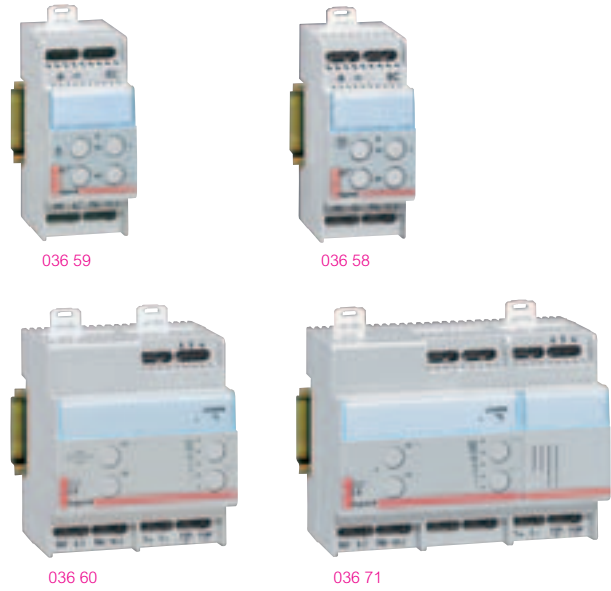


(1) Acoustic power at 1 m

(1) Aco: Registered trademark

dimmers, remote dimmers

NEW



Dimensions (p. 159)

Power supply: 230 V~ - 50/60 Hz

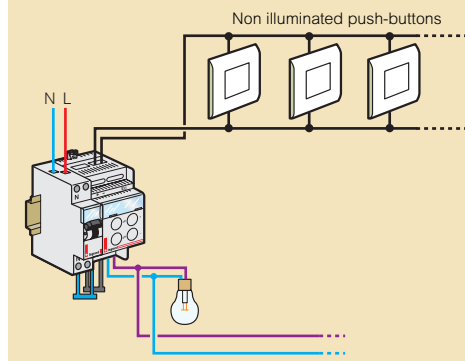
Pack	Cat Nos	Dimmers
1	036 59	DIN rail mounting For incandescent and halogen lamps 230 V and ELV halogen lamps with ferromagnetic transformers Load: 60 to 600 W
1	036 58	For fluorescent lamps with 1-10 V ballast (fluorescent tubes and compact fluorescent lamps with separated ballast) Ballast power: maximum 800 VA Control current: 50 mA

Pack	Cat Nos	Remote control dimmers
1	036 71	DIN rail mounting For incandescent and halogen lamps 230 V, ELV halogen lamps with ferromagnetic or electronic transformers Can be controlled with simple non illuminated double push-buttons or BUS peripheral
1	036 60	For fluorescent lamps with 1-10 V ballast (fluorescent tubes and compact fluorescent lamps with separated ballast) Ballast power: maximum 1 000 VA Control current: 50 mA Can be controlled with simple non illuminated double push-buttons or BUS peripheral
1	036 80	Bus power supply for remote controlled dimmers cat.Nos 036 60/71

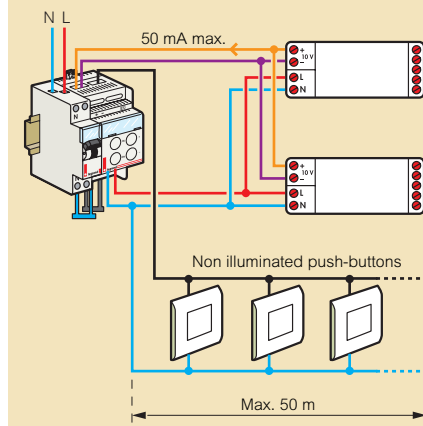
dimmers, remote dimmers

■ Cabling

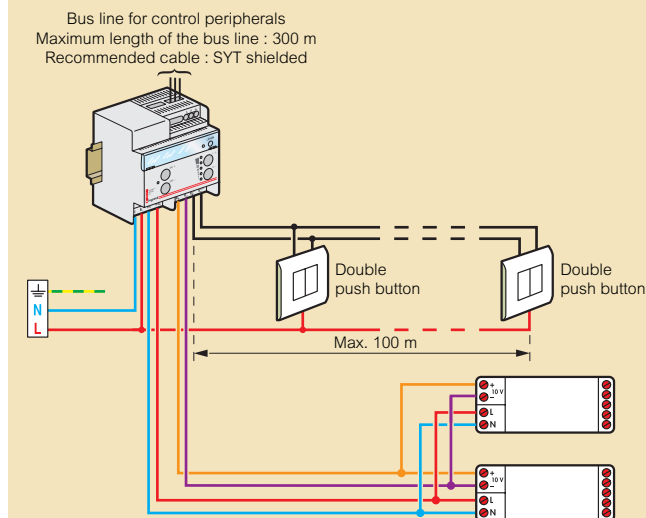
Dimmer for incandescent lamps 600 W Cat.No 036 59



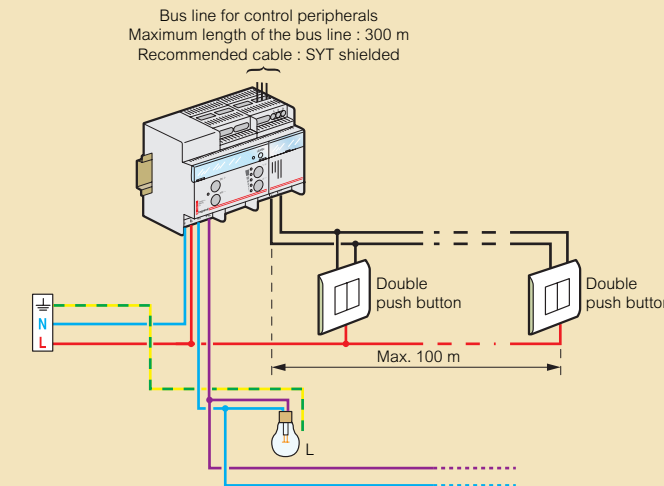
Dimmer for fluorescent lamps 800 VA Cat.No 036 58



Remote dimmer for fluorescent lamps with 1-10 V ballast Cat.No 036 60



Remote dimmer for incandescent lamps Cat.No 036 71



■ Choice of dimmer

Cat.No	Power	1	2	3	4	5	6
036 58	Max. 800 VA	-	-	yes with ballast 1-10 V	-	yes with ballast 1-10 V	yes
	Min. -	-	-	-	-	-	-
036 59	Max. 600 W	yes	yes	-	yes (min.: 40 VA max.: 600 VA)	no	-
	Min. 60 W	-	-	-	-	-	-
036 60	Max. 1 000 VA	-	-	yes with ballast 1-10 V	-	-	yes with ballast 1-10 V
	Min. -	-	-	-	-	-	-
036 71	Max. 1 000 W	yes	yes	-	yes	yes	-
	Min. -	-	-	-	-	-	-

- 1 Incandescent lamps
- 2 Halogen lamps 230 V
- 3 Fluorescent lamps Ø 26 or 36 mm
- 4 Halogen lamps with ferromagnetic transformer
- 5 Halogen lamps with electronic transformer
- 6 Fluocompact lamps with integrated electronic ballast 1-10 V

■ Functions

Dimmer, Cat.No 036 58

Local and remote control and dimming by simple non-illuminated pushbutton for dimming the lighting from a light source
Silent operation
Saving of the last lighting level in the event of power cut or switch-off command

Dimmer, Cat.No 036 59

Local and remote control and dimming by simple non-illuminated pushbutton for dimming the lighting from a light source
Saving of the last lighting level in the event of power cut or switch-off command

single phase power supplies



047 95



047 93

Dimensions (p. 159)

For supplying PLCs and their peripherals or any use requiring a voltage of 5 V, 12 V, 15 V or 24 V...
Fixing on rail

Pack	Cat.Nos	Filtered rectified power supplies
		Conform to standards IEC EN 61558-2-6 For equipment conforming to standards EN 61131-2, EN 60204 and EN 60439-1 Comprising: - A safety transformer with interference filtration - A filter capacitor - Protection by PTC ⁽¹⁾ integrated in the secondary - Double operating terminals Terminal capacity: 6 mm ² flexible Class II after addition of faceplate Ripple factor < 3% Ambient temperature without derating: 60 °C Power supply 230 V ± 15 V~
1	047 95	12 V ... Power (W) 15 Current (A) 1.3 Number of modules 5
1	047 96	15 V ... Power (W) 15 Current (A) 1 Number of modules 5
1	047 97	24 V ... Power (W) 12 Current (A) 0.5 Number of modules 5
1	047 98	24 V ... Power (W) 21.5 Current (A) 0.9 Number of modules 5

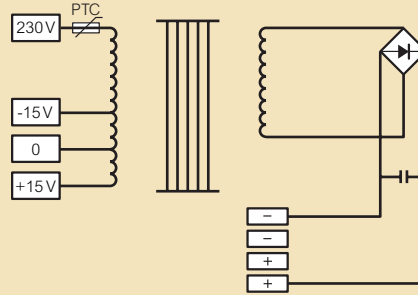
Pack	Cat.Nos	Stabilised power supplies
		Conform to standards NF EN 61204, NF EN 60950 (Low Voltage Directive), EN 55022 (class B), EN 61000-4-2, EN 61000-3-26, ENV 50204 Switching mode Galvanic isolation 4 000 V (input/output) With: - Electronic protection (overloads and short-circuits) - Integral fuse protection on input - A green voltage present indicator on output Power supply 115 - 230 V~
1	047 91	5 V ... Power (W) 12.5 Current (A) 2.5 Number of modules 6
1	047 92	12 V ... Power (W) 30 Current (A) 2.5 Number of modules 6
1	047 93	24 V ... Power (W) 24 Current (A) 1 Number of modules 4

Pack	Cat.Nos	Power supplies with battery back-up
		Conform to standards EN 60742, EN 55022 (class B), EN 61000-4-2 With "ON"/"OFF" button, operation indicator, fuse protection Power supply 230 V~
1	042 10	12 V ... Capacity 280 mA/h Power (W) 6 Current (A) 0.5 Number of modules 6
1	042 30	24 V ... Backed up with unit Cat.No 042 31 Power (W) 3.6 Current (A) 0.15 Number of modules 6
1	042 31	Battery unit When connected to Cat.No 042 30 via linking connector or hard-wired connection, forms a battery-backed power supply unit, capacity 270 mA/h (6 modules)

(1) PTC: Positive temperature coefficient (limitation of overloads and temperature). In the event of an overload switch "off" the power supply and allow the power supplies to cool down before switching on again

single phase power supplies

Filtered rectified power supplies



Cat.Nos	Voltage (V)	Current (A)	Weight (Kg)	I Prim. on load (A) at 230 V
047 95	12	1.3	0.95	0.15
047 96	15	1	0.95	0.15
047 97	24	0.5	0.95	0.13
047 98	24	0.9	0.95	0.17

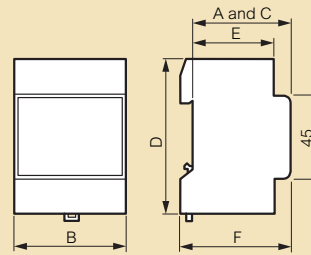
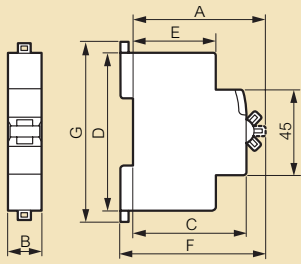
Cat.Nos	Voltage of use				No load losses (W)	Total losses at 100% load (W)	Voltage drop cos φ = 1
	A no load (V)	On load (V)	with 100 kA load and prim. voltage + 10%	with nominal load and prim. voltage -15%			
047 95	15.1	11.8	16.3	10.4	3.4	8.7	28.5
047 96	18.5	14.6	19.9	12.9	3.4	8.9	26.7
047 97	28.9	23.6	30.6	20.7	3.4	7.1	22.3
047 98	29.9	22.8	32.0	20.3	3.4	10.4	31.0

Stabilised power supplies

Cat.Nos	Secondary		Primary			Max. out current (A)	Power consumption at max. temp. (W)	Efficiency
	Voltage (V)	Current (A)	Voltage (V)	Current consump. max. (A)	Inrush current max. (A)			
047 91	5	2.5	109-264	0.15/0.35	16	2.5	12.5	58
047 92	12	2.5	109-264	0.3/0.55	11	2.5	30	
047 93	24	1	109-264	0.25/0.45	13	1	24	73

Cat.Nos	Starting time on energisation (s) 230V/115V	Hold time (at 230 V) (ms)	Operating temperature without derating (°C)	Residual ripple peak to peak (mVpp)	Line protection		Dim.	Max. weight	Max. Operating temperature with derating (°C)
					with fuse (A)	with MCB (A) + type			
047 91	2.4/0.8	90	-10/+50	35	1A aM	2A/C	6 modules	0.32	50
047 92	10/3.7	115	-10/+50	20	1A aM	2A/C	6 modules	0.32	50
047 93	2.6/1	124	-10/+50	80	2A aM	6A/C	4 modules	0.25	50

dimensions of LEXIC modular din-rail equipment



	A	B					C	D	E	F	G
		1-pole	1-pole + N	2-pole	3-pole	4-pole					
Thermal-magnetic MCBs LR, DX, DX-H up to 63 A	70		17.7	35.6	53.4	71.2	60	83	44	76	94
DX-L, DX D curve, DX-H from 80 to 125 A	70	26.7		53.4	80.1	106.8	60	83	44	76	89
Motor MCBs	82.5			44.5			72.2	89	44		87.3
Earth leakage modules up to 63 A	70			35.6	53.4	53.4	60	93	44	76	99
from 80 to 125 A	70			71.1	107.2	107.2	60	88	44	76	89
RCBOs	70	17.7	35.6	71.2		124.6	60	83	44	76	94
4-pole RCBOs with 4 modules	70					71.2	60	83	44	76	94
RCDs (LR, DX) 2-pole	70			35.6			60	83	44	76	94
4-pole	71.5					71.2	60	83	44	77.5	94
Fuse carriers	67	17.7	17.7	35.6	53.4	71.2	60	83	44	73	94
Auxiliary contacts Cat.Nos 073 50/51/52	70			8.7			60	83	44	76	83
Cat.No 073 54	70			17.7			60	83	44	76	83
Command auxiliaries	70			17.7			60	83	44	76	83
Remote control	74			54			74	83	44	80.5	89
DX-IS remote trip head	72			35.5	53.5	71.5	60	83	44	78	94
Isolating switches 16 - 20 - 32 A	72	17.7		17.7	35.6	53.4	60	83	44	74	94
63 - 100 - 125 A	72	17.7		35.6	53.4	71.2	60	83	44	74	94
Changeover switches 043 82/85	68			17.7			60	83	44	74	94
043 83/86	68			35.6			60	83	44	74	94
Push-buttons/control switches	68			17.7			60	83	44	74	94
Indicators	63			17.7			60	83	44	69	94
Pulse operated latching relays	63.5	17.8		17.8		35.6	60	83	44	69	94
Light sensitive switches 1 function 037 23	60			35.6			60	85	37.5	66	70
4 functions 037 25	60			88			60	84	37.5	66	70
Socket outlets	60			44.5			60	83	44	66	92
Buzzers/bells	60			17.5			60	76	44	66	85
Time lag switch 047 02/04	60			17.8			60	94	44	66	94
Remote control dimmers 036 58/59	60			35.6			60	90	44	66	94
036 60	60			71.2			60	83	44	66	94
036 71	60			107.2			60	83	44	66	94
036 80	60			35.6			60	83	44	66	94
Voltage surge protectors 039 10	60			35.6	53.4	71.2	60	86	44	68	91
039 20 to 23	60	17.7		35.6	53.4	71.2	60	86	44	68	91
039 30 to 33	60	17.7		35.6	53.4	71.2	60	86	44	68	91
039 40/41/43	60	17.7		35.6		71.2	60	86	44	68	91
039 51	67	17.7		35.6			60	86	44	73	94
038 28/29	60	17.7					60	86	44	68	91

Description	A	B	C	D	E	F
Programmable time switches 037 00	60	17.8	60	83	44	66
037 30/40/42/44	60	17.8	60	86	37.5	66
037 52/53/55	60	53	60	89	44	66
047 61/63/71	60	35.6	60	90	44	66
047 64/67	60	35.6	60	90	44	66
047 70	60	106.5	60	89	44	66
Voltmeters - Ammeters	60	70	60	83	44	66
Contactors - 1 module 20 A	62	17.8	60	83	44	67.5
Contactors 40 and 63 A 2 modules	60	35.6	61	80	44	67
3 modules	60	54	61	80	44	67
Auxiliaries for contactors and pulse operated latching relays	60	9	60	83	44	66
Transformers and power supplies 042 10/30/31	60	72	60	83	44	66
042 25	60	35.8	60	83.5	44	66
042 37/41/52	60	71.5	60	83.5	44	66
042 54	60	89	60	94	44	66
042 91/92	60	105	60	95	44	66
047 95 to 98	60	89	60	95	44	66
042 93	60	70	60	95	44	66
Electrical energy metering 046 73/74	60	72	60	81	44	66
046 81/72	60	35.5	60	89	44	66
Central measuring unit 046 65/67	64	105	64	89.5	44	69
Residual current relay 260 88	60	35.5	60	89	44	66



**World Headquarters and
International Department
87045 LIMOGES CEDEX FRANCE**

☎ : 33 5 55 06 87 87

Fax : 33 5 55 06 74 55