



Prevention to electric plant risks

The switch series IM30 is designed for local disconnection and control of plant parts or local use.

This is to prevent or avoid any risk related to electric plants, all in compliance with CEI 648 standard (chapter "Disconnection and control").

Wide range

A wide range of control devices, supplied separately from the switch, is available either for rear panel or back box.

It is available a mechanical door locking device which inhibits the turning of the switch to the operating position, on the bottom, while the controlling shaft is solid on the door.

Special versions

There are also available versions with central fixing upon holes of 30.5 mm of diameter with standard knob or with the key and the modular execution for a fixing inside boxes with a modular opening of 45 mm.

CONTROL AND SECTION SWITCHES LOW VOLTAGE

Product in compliance with IEC 947-3, CEI EN 60947-3

Versions with 2, 3, 4 poles.

Terminals on line with degree of protection IP20.

Front side access to terminals.

Contact with double break silver plate for each pole.

3 DIN module dimensions.

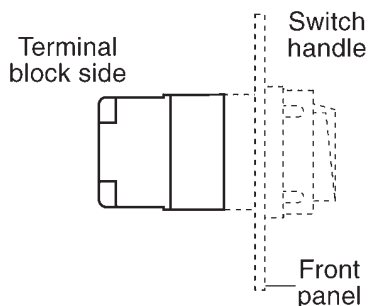
Self extinguishing material according to UL94 standard.

Front central control with 45/90° switching angle.

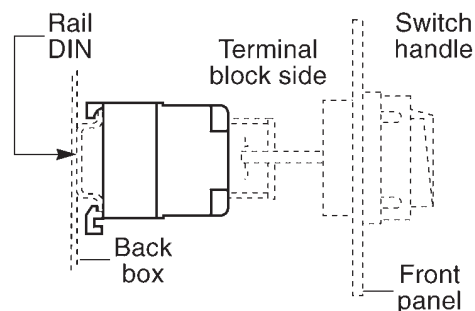


Rated current	Nr Poles	Switching angle	Fixing	Code	
30A	2	45°	Rear panel	30442	
	3		Rear panel	30443	
	4		Rear panel	30444	
	2	90°	Rear panel	30432	
			3	Rear panel	30433
			4	Rear panel	30434
	2	45°	Back-box	30422	
			3	Back-box	30423
			4	Back-box	30424
	2	90°	Back-box	30412	
			3	Back-box	30413
			4	Back-box	30414
40A	2	45°	Rear panel	30642	
	3		Rear panel	30643	
	4		Rear panel	30644	
	2	90°	Rear panel	30632	
			3	Rear panel	30633
			4	Rear panel	30634
	2	45°	Back-box	30622	
			3	Back-box	30623
			4	Back-box	30624
	2	90°	Back-box	30612	
			3	Back-box	30613
			4	Back-box	30614

Rear-panel installation



Back-box installation


TECHNICAL FEATURES

Model	Un	IM30.4XX	IM30.4XX
Related thermal current	A	30	40
Insulating nominal voltage Ui	Vac	690	690
Number of poles		2-3-4	2-3-4
Category AC-21A			
Rated operating current:	A	30	40
Rated operating voltage:	Vac	690	690
Category AC-22A			
Rated operating current:	A	20	32
Rated operating voltage:	Vac	690	690
Motor control category AC-23A			
3 × 230V	kW	6	9
3 × 400V	kW	9,5	16
3 × 500V	kW	12	19
3 × 690V	kW	15	22
Rated short-time withstand current (duration 1s)	A	600	600
Rated short-circuit making capacity	kA	2	2
Rated inpulse withstand voltage	kV	4	4
Conditional short circuit current	kA	10	10
Max. fuse size (gG characteristic)	A	25	35
Pollution degree		2	2
Maximum connecting section	mm ²	10	10

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**REAR PANEL INSTALLATION
SWITCHING ANGLE 45° AND 90°**

The control devices are supplied separated from switch and are complete with all accessories required for the fixing.



STANDARD KNOB

Description		Dim. (mm)	Code
Standard version	black knob on gray tag	48 × 48	31901
Standard version	black knob on gray tag	64 × 64	31902
Emergency version	red knob on yellow tag	48 × 48	31906
Emergency version	red knob on yellow tag	64 × 64	31907



LATCHING KNOB

Description		Dim. (mm)	Code
Emergency version	red knob on yellow tag	55 × 55	31916
Emergency version	red knob on yellow tag	72 × 72	31917



Ø30 CENTRAL FIXING CONTROL-90°

Description		Dim. (mm)	Code
With knob	black knob on gray tag	48 × 48	31922
With key	black knob on gray tag	48 × 48	31927

**BACK-BOX INSTALLATION
SWITCHING ANGLE 45° AND 90°**

The control devices are supplied separated from switch and are complete with all accessories required for the fixing.



STANDARD KNOB WITH DOOR LOCKING

Description		Dim. (mm)	Code
Standard version	black knob on gray tag	48 × 48	31951
Standard version	black knob on gray tag	64 × 64	31952
Emergency version	red knob on yellow tag	48 × 48	31956
Emergency version	red knob on yellow tag	64 × 64	31957



LATCHING KNOB

Description		Dim. (mm)	Code
Emergency version	red knob on yellow tag	55 × 55	31966
Emergency version	red knob on yellow tag	72 × 72	31967



FIXING CONTROL ON DIN RAIL-45°

Description	Nr. Modules DIN	Code
DIN rail version	3 modules (17.5 × 45 mm)	31999

SWITCH DISCONNECTORS – IP65

The switch disconnecting series is designed for local disconnection and control of plant parts or local use.

In the switch disconnectors, two accessory kits may be applied. These kits, not delivered with the product, are different as:
 -the 31997 has one auxiliary contact
 -the 31998 has two auxiliary contacts


STANDARD KNOB

Description	Nr Poles	Current A	Dim. (mm)	Code
Control version black knob on gray tag	2	16	124 × 84	31006
	3			31007
	4			31008
	2	25	124 × 84	31009
	3			31010
	4			31011
	2	32	124 × 84	31012
	3			31013
	4			31014
	2	40	124 × 84	31015
3	31016			
4	31017			
3	63	194 × 144	31018	
4			31019	
Emergency version red knob on yellow tag	2	16	124 × 84	31026
	3			31027
	4			31028
	2	25	124 × 84	31029
	3			31030
	4			31031
	2	32	124 × 84	31032
	3			31033
	4			31034
	2	40	124 × 84	31035
3	31036			
4	31037			
3	63	194 × 144	31038	
4			31039	

CHARACTERISTICS OF THE SWITCH DISCONNECTORS

Features	Un	Un	Un	Un	Un
Rated thermal current Ithe	16 A	25 A	32 A	40 A	63 A
Rated thermal current Ith	16 A	25 A	32 A	40 A	63 A
Number of poles	2-3-4	2-3-4	2-3-4	2-3-4	2-3-4
Insulating nominal voltage	690 V	690 V	690 V	690 V	690 V
Category AC21A					
Rated operating current	16 A	25 A	32 A	40 A	63 A
Rated operating voltage	690 V	690 V	690 V	690 V	690 V
Category AC22A					
Rated operating current	16 A	20 A	25 A	32 A	63 A
Rated operating voltage	690 V	690 V	690 V	690 V	690 V
Category AC23A					
3×230V - kW	5	6	7	9	18
3×400V - kW	9	9	12	16	30
3×500V - kW	11	12	15	19	33
3×690V - kW	13	15	18	22	36
Maximum connection section switch	10 mm ²	10 mm ²	10 mm ²	10 mm ²	35 mm ²
Maximum connection section PE-N terminals	10 mm ²	10 mm ²	10 mm ²	10 mm ²	16 mm ²
Dimensions	124×84 mm	124×84 mm	124×84 mm	124×84 mm	194×144 mm
Cable entries	1+1 M20/25 2+2 M20	1+1 M20/25 2+2 M20	1+1 M20/25 2+2 M20	1+1 M20/25 2+2 M20	1+1 M20/25 3+3 M25

Accessories


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KIT WITH AUXILIARY CONTACT

Description	Code
Composed of 1 auxiliary contact with: 1NC+1NO / 10(4)A 400V~ / 16(4)A250V~ / -20°C+125°C / faston 6,3x0,8mm	31997
Composed of 2 auxiliary contacts, each with: 1NC+1NO / 10(4)A 400V~ / 16(4)A250V~ / -20°C+125°C / faston 6,3x0,8mm	31998