

INTERLOCKED SWITCH SOCKET OUTLETS



VERSIONS

	Surface mounting Without fuse carrier
	Surface mounting With fuse carrier
	Flush mounting Without fuse carrier
	Flush mounting With fuse carrier

REFERENCE STANDARDS

EN 60309-1
Plugs, socket outlets and couplers for industrial purposes.
Part 1: general requirements.

EN 60309-2
Plugs, socket outlets and couplers for industrial purposes.
Part 2: dimensional interchangeability requirements for pin and contact-tube accessories of harmonised configurations.

EN 60309-4
Plugs, socket-outlets and couplers for industrial purposes.
Part 4: switched socket-outlets and connectors with or without interlock.

QUALITY MARKS



TECHNICAL CHARACTERISTICS

Rated current:	16A-32A-63A
Rated voltage:	100÷690V~
Frequency:	c.c. - 50÷500Hz
Insulating voltage:	500/690V~
Protection degree:	IP44-IP66/IP67
Operating ambient temperature according to the reference standard:	-25°C +40°C
Max. operating ambient temperature:	60°C
Glow Wire test:	650°C/850°C
Material:	Engineering plastic
IK degree at 20°C:	IK08
Cable inlet:	PG/METRIC
Fuse-carriers:	gG 10,3x38 mm
Colour:	Grey RAL 7035
Insulation class:	Class II (double insulation) □

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Resistant	Resistant	Not Resistant	Not Resistant	Not Resistant	Limited Resistance	Limited Resistance	Resistant

WIRING AND INSTALLATION

Wiring capacity of the terminals

Cross-section of the connectable conductors (mm²)

Rated voltage	Rated current (A)	Socket outlets	
		Min	Max
>50V	16A	1,5	4
	32A	2,5	10
	63A	6	25

APPLICATION EXAMPLES



TECHNICAL DATA SWITCH DISCONNECTORS

		with fuse		without fuse					
		16A	32A	16A	32A	63A			
Rated insulation voltage Ui	Vac	690	690	690	690	690			
	Vdc	600	600	600	600	-			
Rated impulse withstand voltage Uimp	kV	4	4	4	4	8			
Thermal current Ith	A	25	32	30	40	63			
Thermal current Ithe	A	25	32	30	40	63			
Corrente nominale IEC	AC21A	Resistive loads, including moderate overloads	400V	A	-	-	-	-	-
			500V	A	-	-	-	-	-
			690V	A	25	32	30	32	63
	AC22A	Mixed resistive and inductive loads, including moderate overloads	400V	A	-	-	-	-	-
			500V	A	-	-	-	-	-
			690V	A	30	32	20	32	63
	AC23A	Switching off motor loads or other highly inductive loads (3 phase / 3 pole)	400V	A	-	-	20	32	50
			500V	A	-	-	-	-	40
			690V	A	16	25	16	25	30
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	400V	A	-	28,5	-	28,5	40
			690V	A	12	20	12	20	25
	DC21A	Resistive loads, including moderate overloads	300V	A	25	32	25	32	-
250V			A	20	32	20	32	-	
DC22A	Mixed resistive and inductive loads, including moderate overloads	600V	A	-	-	10(*)	10(*)	-	
Rated short-time withstand current. Icw (1s)		A	400	400	400	400	1500		
Short-circuit protection	Conditional short-circuit current	kA	10	10	10	10	10		
	Associate fuse size for conditional short-circuit current - Type gG	500V	kA	16	32	16	32	63	
	Rated short-circuit making capacity. Icm	kA	1500	1500	1500	1500	2850		
UL rating	General use single phase and 3 phase	600V	A	20	30	32	40	63	
	AC motor starting break all line single phase	120V	Hp	1,5	2	1,5	2	3	
		240V	Hp	3	5	3	5	7,5	
	AC motor B, C, D starting break all lines three phase	240V	Hp	7,5	10	7,5	10	10	
		480V	Hp	10	15	10	15	20	
600V		Hp	15	20	15	20	25		
Permissible wire gauge	Flexible wire	mm ²	1.5-10	1.5-10	1.5-10	1.5-10	10-35		
		AWG	16-8	16-8	16-8	16-8	10-2		
	Rigid wire	mm ²	1.5-16	1.5-16	1.5-16	1.5-16	10-35		
		AWG	16-8	16-8	16-8	16-8	10-2		

(*) 2+2 poles in series

IMQ approved UL approved

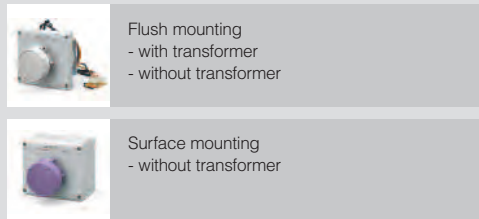
APPLICATION EXAMPLES



INTERLOCKED SWITCH SOCKET OUTLETS



VERSIONS



Flush mounting
- with transformer
- without transformer

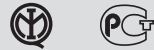
Surface mounting
- without transformer

REFERENCE STANDARDS

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QUALITY MARKS



TECHNICAL CHARACTERISTICS

Rated current:	16A-32A
Rated voltage:	20÷50V~
Frequency:	c.c. - 50÷60Hz
SELV transformer 220/24V:	150VA
Insulating voltage:	500/690V~
Protection degree:	IP44-IP66/IP67
Operating ambient temperature according to the reference standard:	-25°C +40°C
Max. operating ambient temperature:	60°C
Glow Wire test:	650°C (housing) 850°C (contact carrier)
Material:	Engineering plastic
IK degree at 20°C:	IK07 - IK08
Cable inlet:	PG/METRIC
Fuse-carriers:	gG 10,3x38 mm
Colour:	Grey RAL 7035
Insulation class:	Class III

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Resistant	Resistant	Not Resistant	Not Resistant	Not Resistant	Limited Resistance	Limited Resistance	Resistant

WIRING AND INSTALLATION

Wiring capacity of the terminals

Cross-section of the connectable conductors (mm²)

Rated current (A)	Socket outlets	
	Min	Max
16A	4	10
32A	4	10

APPLICATION EXAMPLES

