

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS 125A



VERSIONS WITH MECHANICAL INTERLOCK

	With switch-disconnector
	With switch-disconnector and fuse
	With fuse and switch-disconnector
	With molded case circuit breaker with thermal magnetic trip unit
	With molded case circuit breaker with thermal magnetic and residual current release trip units
	With contactor

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	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

REFERENCE STANDARDS

- IEC EN 60309-1
- IEC EN 60309-2
- IEC EN 60309-4

MARKINGS AND DIRECTIVES



QUALITY MARKS



TECHNICAL CHARACTERISTICS

Rated current:	125A
Rated voltage:	>50÷690V
Frequency:	50/60Hz – 60Hz – 100-300Hz - >300 – 500Hz
Insulating voltage:	2P+E 500V 3P+E / 3P+N+E 690V
Protection degree:	IP66
Installation temperature:	-40°C +60°C
Enclosure material:	Thermosetting GRP (Halogen Free)
Colour:	Grey RAL 7037
Self extinguishing degree (GWT):	960°C (body) 960°C (socket contact carrier) 960°C (switch)
Self extinguishing degree according to UL94:	Body V0
Impact resistance (IK degree):	IK10 (-40°C)
Fuses:	NH 00
Insulation class:	Class II (double insulation) □
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF and ON
Max diameter of the padlock arch for handle padlocking:	6,3mm



■ SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type				FR3	
Switched interlocked socket outlet rated current				125A	
Conventional enclosed thermal current I_{the}			A	160	
Rated operational current I_e	AC21A	Resistive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	160
			500V	A	40
			690V	A	30
Rated operational power according to utilization category at 415V	AC23A ¹⁾	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	69

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

¹⁾ This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.

■ MCCB AND RCD DEVICE TECHNICAL CHARACTERISTICS

Switch type			ABB Tmax T1B
Rated current	I_n	A	125
Rated voltage	U_r	V	690
Rated impulse withstand voltage	U_{imp}	kV	8
Rated service shortcircuit breaking capacity	I_{cs}	kA	18
Ultimate shortcircuit breaking capacity	I_{cu}	kA	18
RCD device type			RC221/1 (type A)
Adjustable release	A		0.03-0.3-3

■ CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			125A
Cross-section of the connectable conductors	mm	Min	10
		Max	70
Tightening torque	Nm		6

■ CABLE ENTRIES

125A	
Top	Bottom
Blank side max M63	Blank side max M63

Blank sides with drilling point marks.

