

Control

Local control

iSW switches

Contents

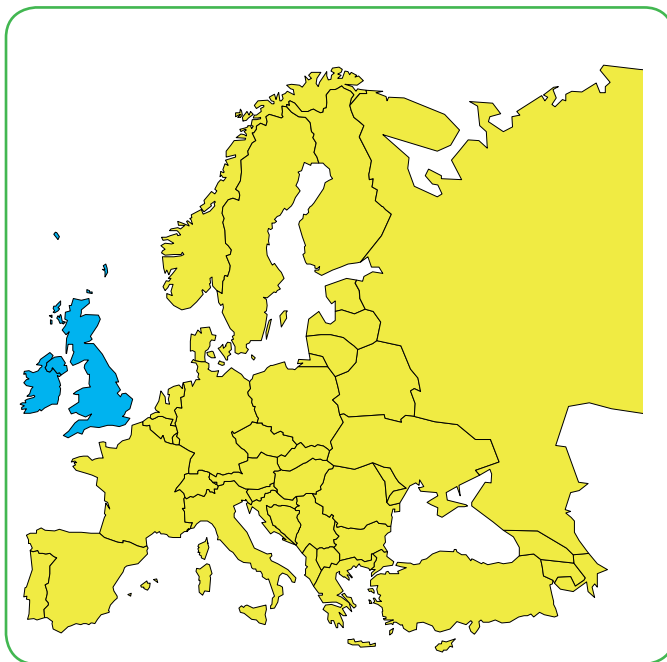


Schneider Electric's range of switches consists of different products (A, B) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

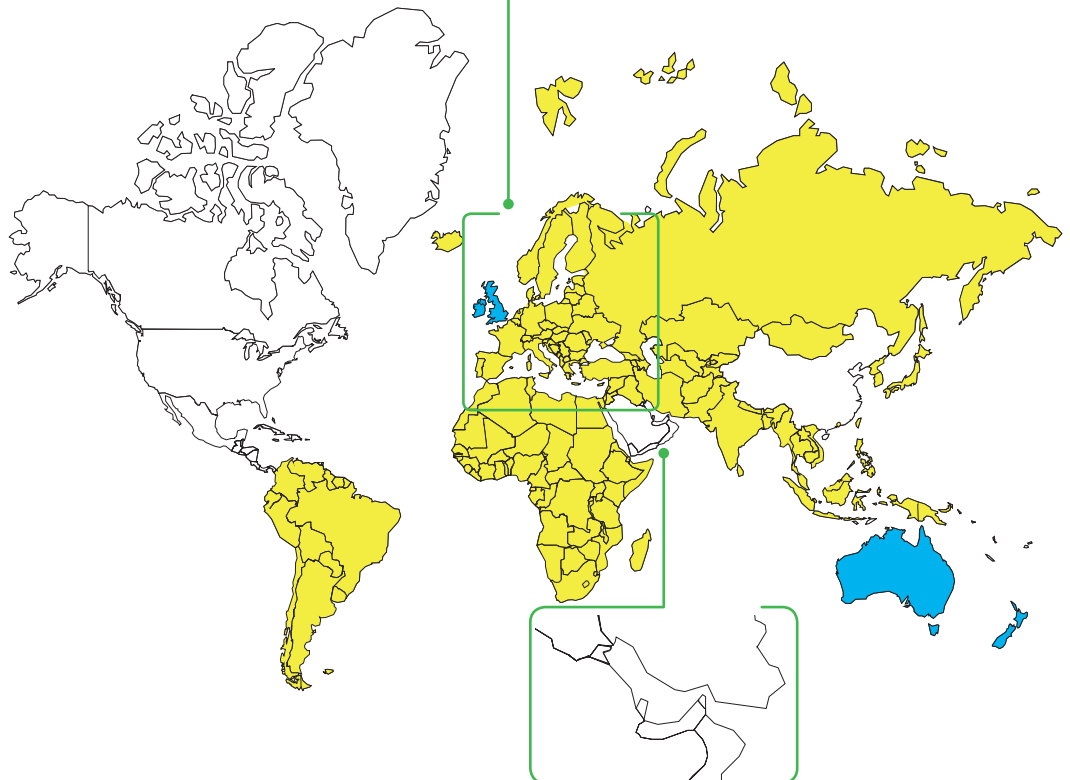
- usual installation procedure
- price
- accreditations by local bodies.

Variants

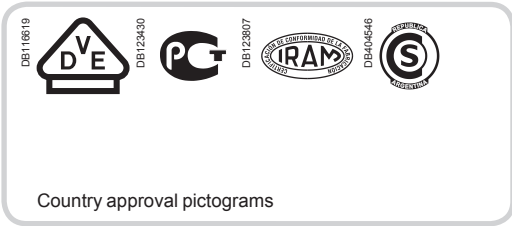
Offers		Pages
Offer A	Catalogue numbers	2, 4
Offer B	Catalogue numbers	3, 5
Common pages		6



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.



Control Local control iSW switches (cont.)



IEC/EN 60947-3

The switch-disconnectors combine the following functions:

- Control (opening and closing of circuits under load).

iOF auxiliary

■ Mounted on the left, it indicates the "open" or "closed" position of the switch and has a normally open (NO) or normally closed (NC) contact.



Catalogue numbers

40 to 125 A iSW switch-disconnectors				
Type				Width in 9 mm modules
1P	Rating	Voltage (Ue)		
	40 A	240 V AC	A9S65140	2
	63 A	240 V AC	A9S65163	
	100 A	240 V AC	A9S65191	
	125 A	240 V AC	A9S65192	
2P				
	40 A	415 V AC	A9S65240	4
	63 A	415 V AC	A9S65263	
	100 A	415 V AC	A9S65291	
	125 A	415 V AC	A9S65292	
3P				
	40 A	415 V AC	A9S65340	6
	63 A	415 V AC	A9S65363	
	100 A	415 V AC	A9S65391	
	125 A	415 V AC	A9S65392	
4P				
	40 A	415 V AC	A9S65440	8
	63 A	415 V AC	A9S65463	
	100 A	415 V AC	A9S65491	
	125 A	415 V AC	A9S65492	
Operating frequency		50/60 Hz		
Accessories		Module CA907000 and CA907001		

Offer selection see page 1
Offer A
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Auxiliary			
Type			Width in 9 mm modules
iOF	Voltage (Ue)		
	240...415 V AC	A9A26924	1
	24...130 V DC		



Control

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iSW switches (cont.)



IEC/EN 60947-3
BSEN 60947-3
AS/NZS 60947-3

The switch-disconnectors combine the following functions:
 ■ Control (opening and closing of circuits under load).

iOF auxiliary

■ Mounted on the left, it indicates the "open" or "closed" position of the switch and has a normally open (NO) or normally closed (NC) contact.



Catalogue numbers

40 to 125 A iSW switch-disconnectors				
Type				Width in 9 mm modules
1P				
	Rating	Voltage (Ue)		
DB118998 1 2	40 A	240 V AC	A9S66140	2
	63 A	240 V AC	A9S66163	
	100 A	240 V AC	A9S66191	
	125 A	240 V AC	A9S66192	
2P				
DB118999 1 3 2 4	40 A	415 V AC	A9S66240	4
	63 A	415 V AC	A9S66263	
	100 A	415 V AC	A9S66291	
	125 A	415 V AC	A9S66292	
3P				
DB119000 1 3 5 2 4 6	40 A	415 V AC	A9S66340	6
	63 A	415 V AC	A9S66363	
	100 A	415 V AC	A9S66391	
	125 A	415 V AC	A9S66392	
3P+N				
DB404563 N 1 3 5 N 2 4 6	125 A	415 V AC	A9S66792	8
4P				
DB119001 1 3 5 7 2 4 6 8	40 A	415 V AC	A9S66440	8
	63 A	415 V AC	A9S66463	
	100 A	415 V AC	A9S66491	
	125 A	415 V AC	A9S66492	
Operating frequency		50/60 Hz		
Accessories		Module CA907000 and CA907001		

Auxiliary			
Type			Width in 9 mm modules
iOF			
DB118910 14 12 11	Voltage (Ue)		A9A26924
	240...415 V AC		
		24...130 V DC	1

Offer selection see page 1

Offer B

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Control

Local control

iSW switches (cont.)

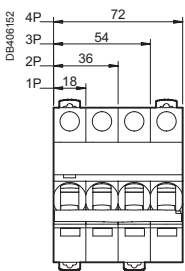
- Insulated terminals IP20
- Large circuit labelling area
- Double clip for dismounting with comb busbar in place
- Positive contact indication
 - Suitable for industrial isolation according to IEC/EN 60947-2 standard.
 - The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety

Offer selection see page 1

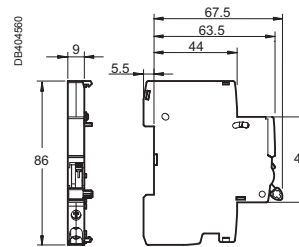
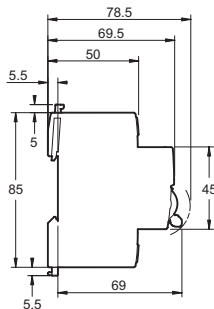
Offer A

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Dimensions (mm)



iSW



iOF

Control

Local control

iSW switches (cont.)

■ Large circuit labelling area



■ Clip for dismounting



■ Insulated terminals IP20



Positive contact indication

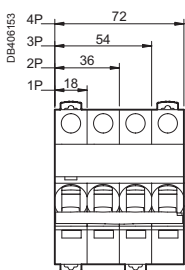
- Suitable for industrial isolation according to IEC/EN 60947-2 standard.
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Offer selection see page 1

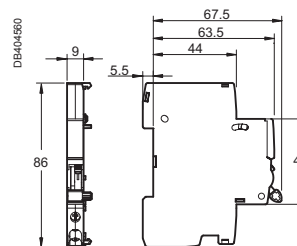
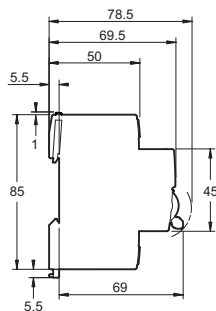
Offer B

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Dimensions (mm)



iSW



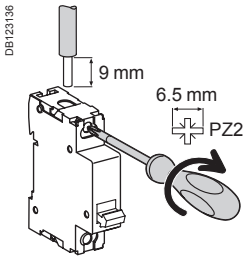
iOF



Control

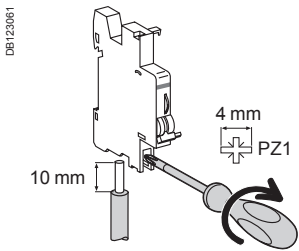
Local control





iSW switches (cont.)

Connection



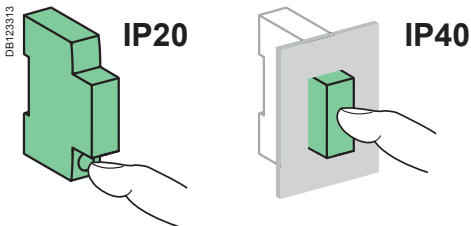
Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or with ferrule
iSW	40 to 125 A	3.5 N.m	 ≤ 50 mm ²	 ≤ 35 mm ²



Type	Tightening torque	Copper cables		Multi-cables terminal	
		Rigid	Flexible	Rigid cables	Cables with ferrule
iOF	1 N.m	 1 to 4 mm ²	 0.5 to 2.5 mm ²	 2 x 2.5 mm ²	 2 x 1.5 mm ²

Technical data

Main characteristics				
Insulation voltage (Ui)	1P: 250 V AC 2P, 3P, 4P: 500 V AC			
Pollution degree	3			
Power circuit				
Rated impulse withstand voltage (Uimp)	6 kV			
Operating category	AC - 22 A			
Permissible rated short-time withstand current (Icw)	1500 A			
Conditional rated short-circuit current (Inc)	10 kA according to IEC 60947-3			
Rated short-circuit closing current (Icm)	5 kA			
Direct current use				
Operating category	iSW 40/63 A			
Voltage rating (Ue)	DC-22A 48 V DC 110 V DC with 2 poles in series			
Additional characteristics				
Degree of protection	Device only	IP20		
	Device in modular enclosure	IP40		
	Insulation class II			
Endurance (O-C)	Mechanical	20,000 cycles		
		Electrical	40 A - 63 A	15,000 cycles
		80 A - 100 A	10,000 cycles	
		125 A	2 500 cycles	
Operating temperature	-25°C to +60°C			
Storage temperature	-40°C to +85°C			
Tropicalization	Treatment 2 (relative humidity 95% at 55°C)			



iOF characteristics		
Rated voltage (Ue)	240...415 V AC 24...130 V DC	
Operating frequency	50/60 Hz	
Operating current	24 V DC	6 A
	48 V DC	2 A
	60 V DC	1.5 A
	130 V DC	1 A
	240 V AC	6 A
	415 V AC	3 A
Number of contacts	1 NO/NC	
Operating temperature	-35°C to +70°C	
Storage temperature	-40°C to +85°C	

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iSW switches (cont.)



2.0	27/03/2017	New charte	Sonovision
1.4	31/01/2017	Added DC technical data for 40 and 63 A products page 6	Sonovision
1.3	13/02/2013	New dimensions - Separation of offer A, B page 4	Sedoc
1.2	20/09/2012	Deleted C offer and direct current in technical data table	Sedoc
1.1	21/03/2012	New map page 1-New offer B page 5-Deleted cat.no. A9S67291	Sedoc
1.0	16/12/2011	Creation	Sedoc
Indice	Date	Modification	Name