

Switch Disconnectors

2 Position Metal Clad 16-125A

A high performance range of IP65 metal clad switch disconnectors, available in 2, 3, and 4 pole switching configurations, including options for a switched or solid neutral pole, and multiple auxiliary contacts.

Presented in three modular enclosure sizes, encompassing switch ratings from 16A through to 125A

These products feature spacious enclosures for ease of wiring, along with smooth un-drilled walls, allowing the Installer to select the optimum cable entry position.

On 4 pole switches the 4th pole is early make / simultaneous break with respect to the other 3 poles.



Technical Data	
Reference standard	IEC60947-3
Rated operational voltage (Ue)	690Vac
Rated current (Ith/Ie) ≤40°C	16-125A
No. of poles	2/3/4
Neutral pole options	Solid or Switched
Rated frequency (Fn)	50/60Hz
Rated insulation voltage (Ui)	800V ac
Rated impulse withstand voltage (Uimp)	8kV
Rated conditional short circuit current (Ip) r.m.s 415Vac	16-40A: 10kA 63-80A: 15kA 100-125A: 20kA
Rated short time withstand current (Icw) r.m.s 690V / 1 second	1-40A: 1000A 63-80A: 1500A 100-125A: 2500A
Rated short circuit making capacity (Icm) 690V	1-40A: 800A 63-80A: 1400A 100-125A: 2100A
Rated breaking capacity	8x Ie
Electrical durability	20000 cycles
Mechanical durability	40000 cycles
Terminal capacity line/load (Enclosed switches)	16-40A: 0.75-6mm ² 63-80A: 1.5-25mm ² 100-125A: 10-50mm ²
Terminal tightening torque	16-40A: 1.2Nm 63-80A: 3Nm 100-125A: 8Nm
Ingress protection rating EN60529	IP65
Impact resistance EN60529	IK08
Operating temperature	-25 to +55°C
De-rating factor at ambient temp ≥40°C	0.8
Storage temperature	-40 to +70°C
Enclosure finish colour	RAL7046
Operating handle	Red/Yellow
Enclosure construction material	Die Cast Aluminium
Pad lockable (ø6mm)	OFF position only
Mechanical interlock with cover	ON position only

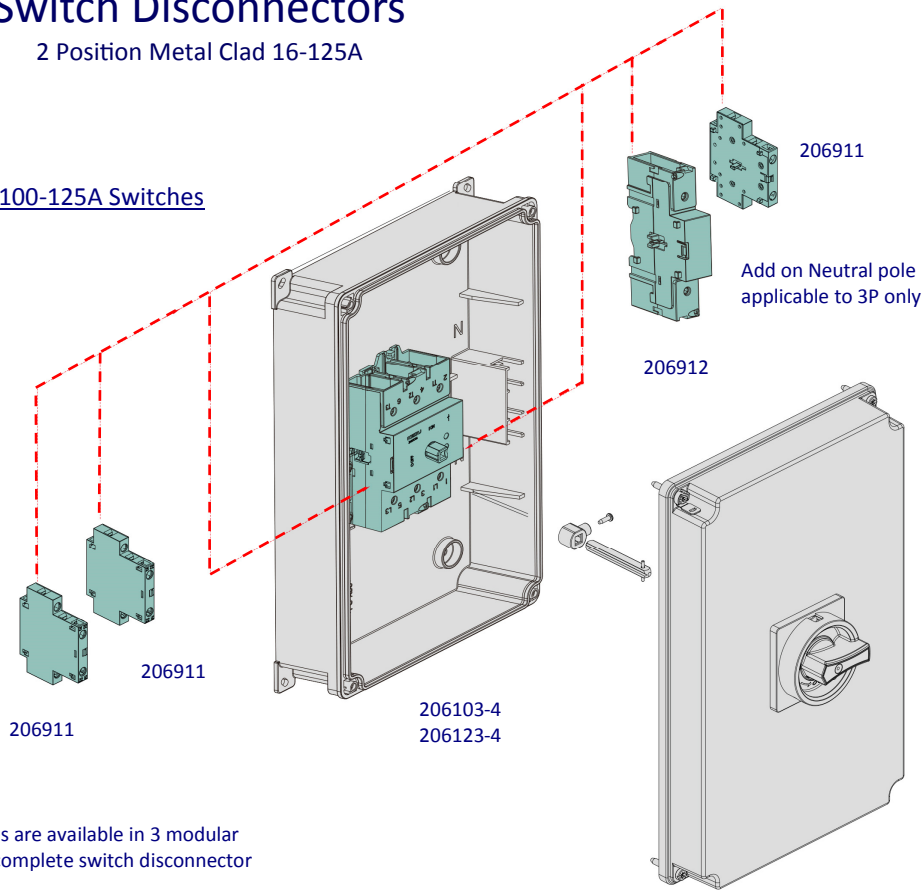
Ordering Codes					
Current rating	2 Pole Switch	3 Pole Switch	4 Pole Switch	Unswitched Neutral Pole (for 2P or 3P)	Auxiliary contact 1NO + 1NC
16A	206162	206163	206164	206940	206911
25A	206252	206253	206254		
32A	—	206323	206324		
40A	206402	206403	206404		
63A	206632	206633	206634	206980	
80A	—	206803	206804		
100A	—	206103	206104	206912	
125A	—	206123	206124		

Rated Operational Current & Power					
Ith	Ue	AC-21A/B	AC-22A/B	AC-23A/B	
16A	415V	16A	16A	16A	7.5kW
	500V	16A	16A	16A	7.5kW
	690V	16A	16A	16A	7.5kW
25A	415V	25A	25A	25A	11kW
	500V	25A	25A	20A	11kW
	690V	25A	25A	20A	15kW
32A	415V	32A	32A	32A	15kW
	500V	32A	32A	25A	15kW
	690V	32A	32A	25A	15kW
40A	415V	40A	40A	40A	18.5kW
	500V	40A	40A	32A	18.5kW
	690V	40A	40A	25A	15kW
63A	415V	63A	63A	63A	30kW
	500V	63A	63A	63A	30kW
	690V	63A	63A	40A	30kW
80A	415V	80A	80A	80A	37kW
	500V	80A	80A	63A	37kW
	690V	80A	80A	40A	37kW
100A	415V	100A	100A	100A	45kW
	500V	100A	100A	80A	45kW
	690V	100A	100A	63A	45kW
125A	415V	125A	125A	125A	55kW
	500V	125A	125A	100A	55kW
	690V	125A	125A	63A	55kW

Switch Disconnectors

2 Position Metal Clad 16-125A

100-125A Switches



Add on neutral poles are available in 3 modular sizes, covering the complete switch disconnector range.
The neutral pole can be installed on either the left or right side of the switch disconnector

Add on auxiliary blocks are suitable for all switch disconnector models, featuring simultaneous operation with the main switch poles.
Up to 2 auxiliary blocks can be fitted to both the left and right side of the switch

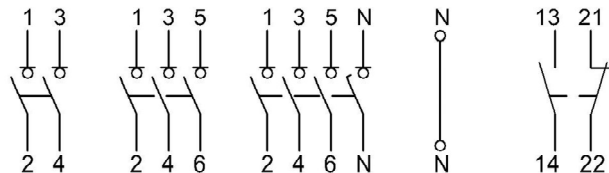
Add on Neutral pole (Unswitched)			
Part No	Configuration	Compatible with switches	Width (mm)
206940	40A unswitched	16-40A	12
206980	80A unswitched	63-80A	17.5
206912	125A unswitched	100-125A	23.8

Switch rating	Maximum size & number of cable entries
16-40A	2x M20/M25 or 1x M32 both top & bottom
63-80A	2x M25/M32 or 1x M40 both top & bottom
100-125A	2x M32/M40 or 1x M50 both top & bottom

Auxiliary contacts					
Part No	Config.	Module Width (mm)	Parameters	Ui	Uimp
206911	1NO+1NC	9mm	AC-13: 10A 230V~ AC-15: 6A 230V~	600V	6kV

Due to an enclosure wall thickness of 8mm, cable glands with long entry thread are recommended for installation

Circuit Diagrams



206162	206163	206164	206940	206911
206252	206253	206254	206980	
206402	206323	206324	206912	
206632	206403	206404		
	206633	206634		
	206803	206804		
	206103	206104		
	206123	206124		

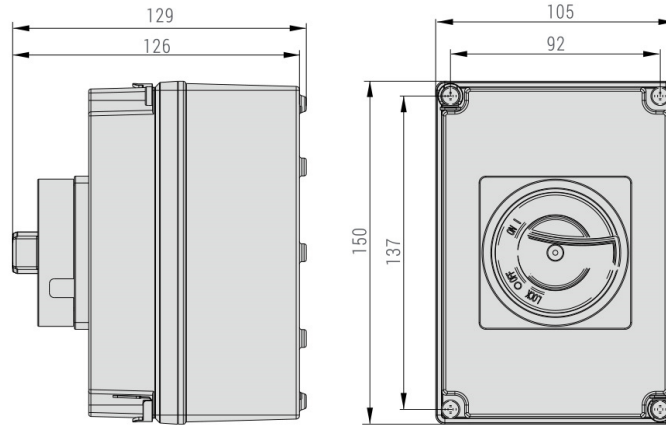


To padlock the switch in the 0 OFF position, rotate the red operating handle anticlockwise past the 0 OFF position to expose the padlock hasp.

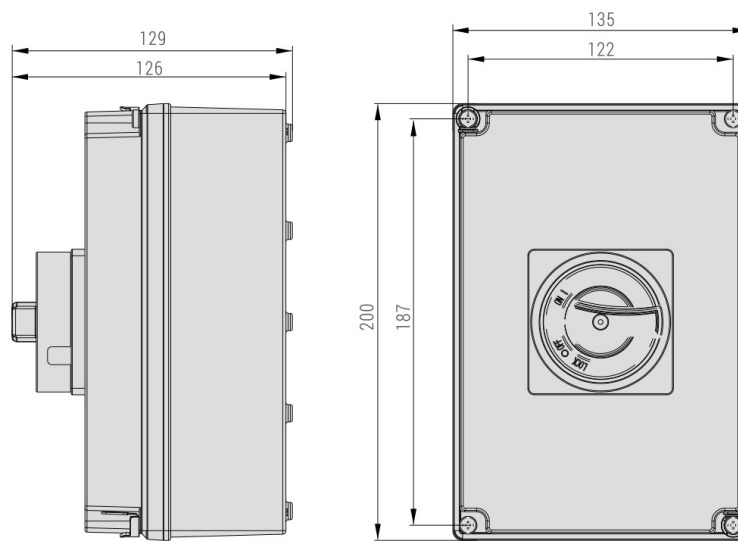
Suitable for padlocks with a shackle diameter up to 6mm

Switch Disconnectors

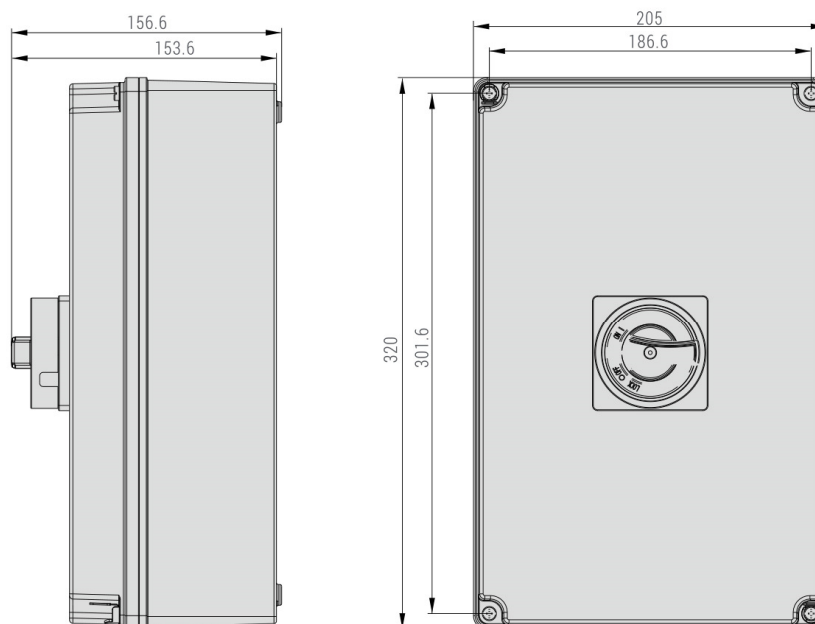
2 Position Metal Clad 16-125A



16-40A Switches



63-80A Switches



100-125A Switches