



Power Plant Electrical Technologies (Pty) Ltd

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ISO-Flex on Load Isolator Solution

ISO-Flex is a unique heavy-duty medium voltage snap action on load isolator solution, with several options tailored to your operational requirements and budget.

The ISO-Flex solution is designed to provide a safe and easy-to-use protection and isolation facility suitable for a range of applications including local isolation of high-power mill motors, transformers, or line feeds for electrical circuits. With voltage ratings suitable for 6,6 kV, 11 kV, and 15 kV applications, current ratings at 630 amp and 1250 Amp, and fault current ratings up to 31,5 kV. The ISO-Flex solution is the option to suit your unique application.

ISO-Flex is suitable for indoor or outdoor use and can come with a snap-action manual operating mechanism, or a push button-controlled motor mechanism. ISO-flex can be fitted with CEF fuses, with striker bar auxiliaries and shunt trip mechanism to provide short circuit protection and fuse blown interlocking to prevent single phasing. In addition, ISO-flex can be equipped with an electronic protection relay to further enhance the protection features including IDMT overcurrent, overload, earth fault, and more.

With ISO-Flex we provide you with a highly robust and reliable isolation solution that enables your maintenance personnel to safely isolate and lock out high-power equipment locally, on the operating plant floor, without the need to call out electrical to rack and lock out substation switchgear.

ISO-Flex saves you time, complication, and cost, whilst enhancing the safety of your maintenance, and operations personnel



The standard ISO-flex package is available in an IP 54 enclosure, with an integrated safe arc venting feature, snap action on load isolator, open and closed status indication, operating lever arm, and lockout device.

Added features include CEF fuses with trip striker bar, shunt trip device, motor mechanism with open/close push buttons, with more advanced electronic relay with current transformers and an auxiliary power transformer.

The ISO-Flex is equipped with an ABB NAL/F on load isolation device designed per IEC 62271-105, 60129, and 60694.



ORDERING CODE SELECTION

SCAN FOR WEBSITE
www.ppetech.co.za

Ordering Information		Our Standard stock solution shown as example:	Iso-Flex	N	N	15	6	I	H	K	S	L	N	110A	N	C	0600A
On-Load Isolator / Disconnect		Iso-Flex															
Fuse Option	Fused		F														
	No Fuses		N														
Earth Switch	With Earth Switch			E													
	No Earth Switch			N													
Voltage Rating	11kV				11												
	15kV				15												
	22kV				22												
	33kV				33												
Current Rating	630A (11, 15, 22, 33kV)					06											
	1000A (33kV)					10											
	1250A (11kV)					12											
Environment	Indoor							I									
	Outdoor							O									
Operation Type	Hand Operated								H								
	Motor Operated								M								
Key Interlock	With Key Interlock									K							
	No Key Interlock									N							
Shunt Trip	Shunt Trip Coil										S						
	No Shunt Trip Coil										N						
Status Indication	Local Status Indication Lamps											L					
	Remote Status Indication											R					
	No Indication											N					
Electronic Protection	REFG01												R				
	No Relay												N				
	Other (Specify)												O				
Auxiliary Voltage	24VDC															024D	
	48VDC															048D	
	110VDC															110D	
	220VDC															220D	
	110VAC															110A	
	220VAC															220A	
	None															000N	
Auxiliary Supply Source	Integrated VT															V	
	External Source															N	
Load to be Isolated	Motor																M
	Transformer																T
	Cable																C
	Other (Specify)																O
Load Current	Amps																XXXXA

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