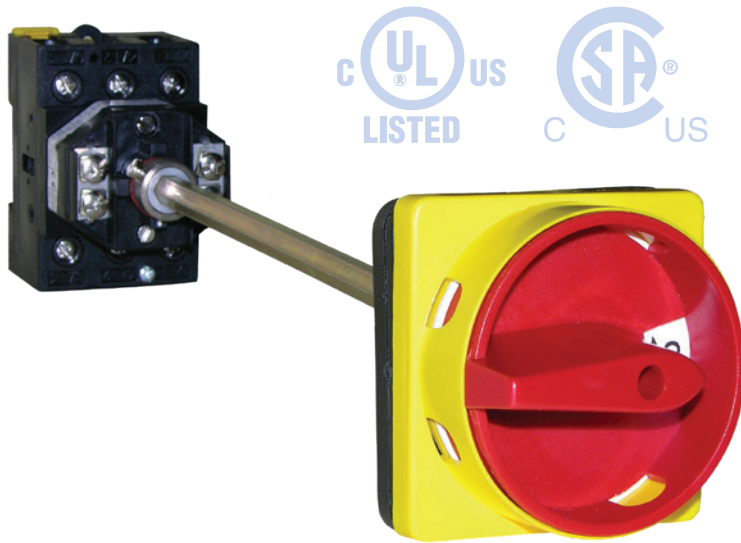


Isotec Door Interlock Isolators



Isotec Door Interlock Isolators comply with the latest specifications for modern low voltage devices.

Outstanding electrical characteristics and compact design, contribute to space saving installation, operational convenience, safety and reliability.

The interlock uses polyamide glass filled material, having excellent insulation tracking resistance (CTI) to prevent flashover between phases in the most severe conditions.

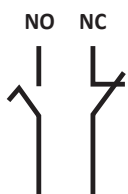
The special contact design and configuration makes the interlock able to withstand high short circuit currents.

Features:

- Open terminals for easy access with captive terminal screws.
- Degree of protection: Front IP65, Rear IP20 (Finger protection with touch proof terminals)
- Double break contacts, with ADD-ON blocks Main/Neutral/Auxiliary Contacts which can be mounted on both sides.
- Excellent switching and high short circuit capacity.
- Easy installation with 2 hole rear mounting or snap mounting on DIN EN50022 Rail (35mm) and operable from front (door) - coupled with door mechanism.
- Padlock and door interlocking facility with a maximum of 3 padlocks.
- Adjustable mounting by cutting the metal shaft to appropriate length, to suit panel depth.

Isotec Accessories (for Rear Mounting Switches)

Auxiliary Contact Module



- Has two contacts, NO & NC. This is used to trigger any auxiliary circuits.
- Can be fitted on either side of the interlock.

Rating/Terminal Cross Section		Order Code	
IEC/EN	16A, 500V	IsotecAux11	
AC-15	220 - 240V		6A
	380 - 440V		4A
Solid / Stranded Wire			1 - 1.5mm ²
American Wire Gauge		16 AWG	

Isotec Mpole (Additional Switched Main Pole Module)



- For switching action of additional pole, when mounted with the switch. The additional pole on either side of the switch can be used to switch on any single phase requirements.
- Electrical rating equivalent to main pole.
- Used as 4th/5th pole on either side of the interlock.

Description	Order Code
Rear Mounting Switch for Isotec 063	IsotecM063
Rear Mounting Switch for Isotec 080	IsotecM080
Rear Mounting Switch for Isotec 100	IsotecM100
Rear Mounting Switch for Isotec 125	IsotecM125

Isotec Npole (Early Make/Late Break Neutral Contact Module)



- Used as a neutral conductor to the switch.
- Early make and late break contact.
- Can be fitted on either side of the interlock.

Description	Order Code
Rear Mounting Switch for Isotec 063	IsotecN063
Rear Mounting Switch for Isotec 080	IsotecN080
Rear Mounting Switch for Isotec 100	IsotecN100
Rear Mounting Switch for Isotec 125	IsotecN125

Isotec Technical Specification

Technical Data / Product Code	Unit	Isotec						
		025	032	040	063	080	100	125
Rated Operational Voltage U_e								
IEC / EN / VDE	V	690	690	690	690	690	690	690
UL / CSA	V	600	600	600	600	600	600	600
Main Switch: Isolating Voltage up to	V	750	750	750	750	750	750	750
Rated Impulse Withstand Voltage (U_{imp})	kV	6	6	6	6	6	6	6
Rated Continuous Current (I_n)	A	25	32	40	63	80	100	125
Rated Operational Current I_e								
AC-21A IEC / EN / VDE	A	25	32	40	63	80	100	125
AC-1 IEC / EN / VDE	A	25	32	40	63	80	100	125
UL / CSA	A	25	32	40	63	80	100	125
IEC / EN / VDE Ratings (Power)								
AC23A 3 Phase, 3 Pole 220 - 240V	kW	5.5	7.5	11	15	18.5	22	30
380 - 440V	kW	11	15	18.5	30	30	37	45
500 - 690V	kW	11	15	22	30	37	45	55
AC3 3 Phase, 3 Pole 220 - 240V	kW	4	5.5	7.5	11	15	18.5	22
380 - 440V	KW	7.5	11	18.5	22	22	30	37
500 - 690V	kW	11	11	18.5	22	30	37	45
Max. Fuse Size (Type gL)	A	25	32	40	63	80	100	125
Rated Fused Short Circuit Current	kA	30	30	30	30	30	30	30
UL / CSA Ratings (Power)								
DOL 3 Phase, 3 Pole 120V	HP	3	3	5	7.5	7.5	10	15
240V	HP	7.5	7.5	10	15	20	25	30
480V	HP	15	20	20	25	40	50	60
600V	HP	20	20	30	30	50	50	60
DOL 1 Phase 120V	HP	1.5	2	3	4.5	5	5	5
240V	HP	2	3	4	6	10	15	15
Max. Fuse Size (RK5)	A	50	50	70	70	100	100	125
Rated Fused Short Circuit Current	kA	5	5	5	5	5	5	5
Termination								
Solid / Stranded Wire	Min. mm ²	1	1	4	4	6	6	6
	Max. mm ²	10	10	16	16	70	70	70
Fine Stranded Wire with Ferrule	Min. mm ²	0.75	0.75	2.5	2.5	4	4	4
	Max. mm ²	6	6	10	10	50	50	50
American Wire Gauge	AWG	8	8	6	6	1	1	1
Recommended Tightening Torque	Nm	1.7	1.7	1.7	1.7	2.5	2.5	2.5

Isotec Ordering Scheme

