

General Description

Craig & Derricott has been producing switch disconnectors for more than 20 years. Combining our switching expertise with the specific requirements of the ventilation industry has led to the development of our 'High Temperature Isolator' range. Excellent switching characteristics with high temperature environment contact stability makes this the ideal product range.





The critical role these switches perform is to maintain the power to vital equipment such as ventilation fans, allowing safe evacuation of a business or public area. Often these devices are mounted local to the extraction fans and, as an assembly, it is essential they comply with the stringent thermal requirements of BS EN 12101 - 2003.

The complete range are housed in metal enclosures. The user can therefore be assured that there will be no distortion affecting the connecting cables and its supports.

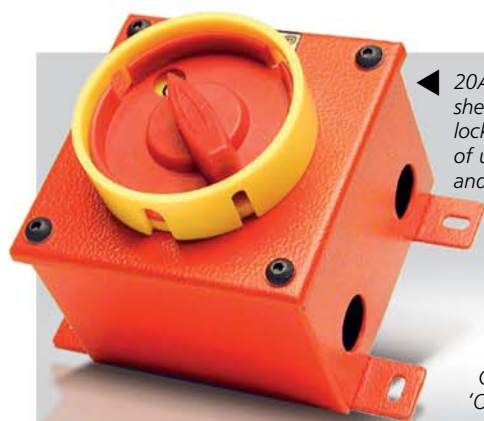
Smoke kills more people than fire.

A well known fact, and it's the job of the ventilation designer to ensure this doesn't happen - and to do this effectively they will need continuous power.

Electrical Characteristics

Application	Sym.	Unit	Category	Rating			
				20A	32A	63A	125A
Enclosure material / size *				Sheet Steel A	Die-Cast B	Sheet Steel C	Sheet Steel D
Rated thermal current	I_{the}	A		20.0	32.0	63.0	125.0
Rated insulation voltage	U_i	V		690	690	690	690
Rated operational current (AC)		A	400/415V - AC21A	20.0	32.0	63.0	125.0
			400/415V - AC22A	20.0	32.0	-	100.0
			400/415V - AC23A	25.0	28.0	-	-
Rated operational power (AC)		kW	3 x 400/415V - AC23A	10.0	15.0	-	55.0 (AC23B)
Conditional short circuit current	I_{cc}	kA		50.0**	50.0**	50.0**	50.0**
Minimum mechanical endurance		Cycles		$>0.5 \times 10^6$	$>0.5 \times 10^6$	$>0.5 \times 10^6$	$>0.5 \times 10^6$
Connecting capacity		-	Terminal type				
		mm ²	Flexible cable	2.5	6.0	25.0	50.0
		mm ²	Stranded cable	2.5	6.0	25.0	50.0

** Max size BS 88 fuse in circuit 20A-32A, 32A-32A, 63A-63A, 125A-125A



20A item housed in red finished sheet steel enclosure. The circular locking handle allows for the insertion of up to 3 padlocks in the 'Off' and 'On' positions.

32A item enclosed within a heavy duty die-cast aluminium enclosure. Can be supplied padlockable in both 'On' & 'Off' positions to special order.

