

*The Hager range of Fuse Combination Switches has been designed to complement both the TP&N and Panelboard ranges by providing individual protection and control of individual circuits.*

*The Switch Disconnectors have been designed to complement the Fuse Combination Switches, TP&N and Panelboard ranges, also by providing individual protection and control of individual circuits up to 800A.*



**Fuse Combination Switches**  
The enclosures up to 200A have been designed to provide adequate cabling space without the need for additional cable spreader boxes. Operation of the device is through a door mounted

*rotary handle which is mechanically interlocked to prevent access to live conductors when the switch is in the ON position. The handle is also padlocked in the OFF position.*

**Standards**  
All versions will accept standard BS88 fuse links and can be converted to Switch Disconnector by fitting copper links. This product complies with EN 60-439 Part 1 (Enclosure), EN 60-947 Part 3 (Device) and IP31. Please note maximum rated fuse links are fitted in all Fuse Combination Switches.



**Switch Disconnectors**  
The Switch Disconnectors have also been designed to provide adequate cabling space without the need for additional cable spreader boxes. The operation is the same as the

*Fuse Combination Switch, the operation of the device is through a door mounted rotary handle, which mechanically interlocks to prevent access to live conductors when the switch is in the ON position, the handle is also padlocked in the OFF position. The standards are also the same as the Fuse Combination Switches.*



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*The devices are padlocked in three positions and offer plenty of cabling space. Clip on auxiliary contacts can be fitted retrospectively. This product complies with EN 60 947-3 and IP65 to EN 60-529.*

**IP65 Switch Disconnectors**  
*The Hager range of switch disconnectors further complements the existing commercial range giving a range of enclosed switch disconnectors to IP65 for individual isolation.*

## Fuse Combination Switches SPSN, TP&N, TPSN 20 - 800 A - JFB, JFD, JFE, JFG, JFH, JR, JC, JZA

**Description**

The Hager range of fuse combination switches has been designed to complement both the TP&N and panelboard ranges by providing individual protection and control of individual circuits.

The enclosures up to 100A have been designed to provide adequate cabling space without the need for additional cable spreader boxes.

Operation of the device is through a door mounted rotary handle which is mechanically interlocked to prevent access to live conductors when the switch is in the on position. The handle is also padlockable in the off position.

All versions will accept standard BS88 fuse links and can be converted to switch disconnecter by fitting copper links.

**Utilisation category**

AC22B - 630 - 800A  
AC23 - 20 - 400A

**Product features**

Complies with:  
EN 60-439 part 1 (enclosure)  
EN 60-947 part 3 (device)  
IP31.

Range: SPSN 20-100A (4 ratings)  
TPN 20-630A (12 ratings)  
TPSN 20-630A (12 ratings)

**Note:** Maximum rated fuse links are fitted in all fuse combination switches.

**Cable capacity**

20A = 16mm<sup>2</sup>  
32A = 16mm<sup>2</sup>  
63A = 25mm<sup>2</sup>  
100A = 95mm<sup>2</sup>  
125A = 95mm<sup>2</sup>  
160A = 95mm<sup>2</sup>  
200A = 240mm<sup>2</sup>  
250A = 240mm<sup>2</sup>  
315A = 240mm<sup>2</sup>  
400A = 240mm<sup>2</sup>  
630A = 2x300mm<sup>2</sup>  
800A = 2x300mm<sup>2</sup>

Description	In A	Cat ref.	Cable extension boxes if required Cat ref.
<b>Fuse combination switch</b> Single pole switched neutral	20A	<b>JFB202U</b>	
	32A	<b>JFB203U</b>	
	63A	<b>JFD206U</b>	
	100A	<b>JFE210U</b>	<b>JZA701</b>
<b>Fuse combination switch</b> Triple pole and neutral	20A	<b>JFB302U</b>	
	32A	<b>JFB303U</b>	
	63A	<b>JFD306U</b>	
	100A	<b>JFE310U</b>	<b>JZA701</b>
	125A	<b>JFG312U</b>	<b>JZA701</b>
	160A	<b>JFG316U</b>	<b>JZA701</b>
	200A	<b>JFG320U</b>	<b>JZA701</b>
	250A	<b>JFG325U</b>	<b>JZA701</b>
	315A	<b>JFH331U</b>	<b>JZA702</b>
	400A	<b>JFH340U</b>	<b>JZA702</b>
	630A	<b>JFI363U</b>	<b>JZA703</b>
800A	<b>JFI380U</b>	<b>JZA703</b>	
<b>Fuse combination switch</b> Triple pole switched neutral	20A	<b>JFB402U</b>	
	32A	<b>JFB403U</b>	
	63A	<b>JFD406U</b>	
	100A	<b>JFE410U</b>	<b>JZA701</b>
	125A	<b>JFG412U</b>	<b>JZA701</b>
	160A	<b>JFG416U</b>	<b>JZA701</b>
	200A	<b>JFG420U</b>	<b>JZA701</b>
	250A	<b>JFG425U</b>	<b>JZA701</b>
	315A	<b>JFH431U</b>	<b>JZA702</b>
	400A	<b>JFH440U</b>	<b>JZA702</b>
	630A	<b>JFI463U</b>	<b>JZA703</b>
800A	<b>JFI480U</b>	<b>JZA703</b>	
<b>Copper links</b> For conversion to isolating switches	63A	<b>JC60L</b>	
	100A	<b>JC10L</b>	
	125/200A	<b>JC20L</b>	
	315/400A	<b>JC40L</b>	
	630A	<b>JC40L</b>	
	800A	<b>JC63L</b>	



JFG416U



JFG425U

## Switch Disconnectors TP&N, TPSN 20 - 800A - JAB, JAC, JAE, JAG, JAH

**Description**

The Hager range of switch disconnectors has been designed to complement the FCS, TPN and panelboard ranges by providing individual protection and control of individual circuits up to 800A.

The enclosures have been designed to provide adequate cabling space without the need for additional cable spreader boxes.

Operation of the device is through a door mounted rotary handle which is mechanically interlocked to prevent access to live conductors when the switch is in the on position. The handle is also padlockable in the off position.

**Utilisation category**

AC-21  
AC-22

**Product features**

Complies with:  
EN 60-439 part 1 (enclosure)  
EN 60-947 part 3 (device).  
IP31.

**Cable capacity**

20A = 16mm<sup>2</sup>  
32A = 16mm<sup>2</sup>  
63A = 50mm<sup>2</sup>  
100A = 50mm<sup>2</sup>  
125A = 50mm<sup>2</sup>  
160A = 95mm<sup>2</sup>  
200A = 95mm<sup>2</sup>  
250A = 150mm<sup>2</sup>  
315A = 185mm<sup>2</sup>  
400A = 240mm<sup>2</sup>  
630A = 2x300mm<sup>2</sup>  
800A = 2x300mm<sup>2</sup>

<i>Description</i>	<i>In A</i>	<i>Cat ref.</i>	<i>Cable extension boxes if required</i> <i>Cat ref.</i>
<b>Switch disconnector</b> Triple pole and neutral	20A	<b>JAB302</b>	
	32A	<b>JAB303</b>	
	63A	<b>JAB306</b>	
	100A	<b>JAB310</b>	
	125A	<b>JAC312</b>	<b>JZA700</b>
	160A	<b>JAC316</b>	<b>JZA700</b>
	200A	<b>JAE320</b>	<b>JZA701</b>
	250A	<b>JAE325</b>	<b>JZA701</b>
	315A	<b>JAG331</b>	<b>JZA701</b>
	400A	<b>JAG340</b>	<b>JZA701</b>
	630A	<b>JAH363</b>	<b>JZA702</b>
	800A	<b>JAH380</b>	<b>JZA702</b>



JAG402

<b>Switch disconnector</b> Triple pole and switched neutral	20A	<b>JAB402</b>	
	32A	<b>JAB403</b>	
	63A	<b>JAB406</b>	
	100A	<b>JAB410</b>	
	125A	<b>JAC412</b>	<b>JZA700</b>
	160A	<b>JAC416</b>	<b>JZA700</b>
	200A	<b>JAE420</b>	<b>JZA701</b>
	250A	<b>JAE425</b>	<b>JZA701</b>
	315A	<b>JAG431</b>	<b>JZA701</b>
	400A	<b>JAG440</b>	<b>JZA701</b>
	630A	<b>JAH463</b>	<b>JZA702</b>
	800A	<b>JAH480</b>	<b>JZA702</b>



JAG440

## IP65 Switch Disconnectors - TP&N 10-80A - JG

**Description**

The Hager range of switch disconnectors further complements the existing commercial range giving a range of enclosed switch disconnectors to IP65 for individual isolation.

The devices are padlockable in three positions and offer plenty of cabling space. Clip on auxiliary contacts can be fitted retrospectively.

**Product features**

Complies with: EN60 947-3  
IP65 to EN 60-529

**Range:**

TPN 10,16,25,40,63 & 80A  
Utilisation category  
AC-21  
AC-22

**Cable capacity**

20 - 40A = 16mm<sup>2</sup>  
63 - 100A = 35mm<sup>2</sup>

<i>Description</i>	<i>In</i> <i>AC21</i> <i>A</i>	<i>In</i> <i>AC22</i> <i>A</i>	<i>Cat ref.</i>
<b>TPN switch disconnector</b>	20A	10A	<b>JG00S</b>
	25A	16A	<b>JG01S</b>
	40A	25A	<b>JG02S</b>
	63A	40A	<b>JG03S</b>
	80A	63A	<b>JG04S</b>
	100A	80A	<b>JG05S</b>
<b>Auxiliary changeover contacts</b> Snap on contact outgoing 10A	1NO/1NC	10A	<b>JG10A</b>
	2NO/2NC	16A	<b>JG20A</b>
		25A	
		40A	
		63A	
		80A	



JAG402



JG03S

## Enclosed MCCBs SP, TP, 4P 63 - 630A - JG

**Description**

The Hager range of enclosed MCCBs has been designed for individual circuit protection in larger installations to complement the panelboard system.

The devices are mounted in IP31 enclosures, with gland plates top and bottom to facilitate cabling. Both single and triple pole devices are equipped with fully rated neutral links. products rated above 160A are fully adjustable.

4 pole versions with RCCB add-on (adj sens. and time delay) are also available.

**Construction**

Range:

**MCCB**

Single pole 63-125A (3 ratings)  
Triple pole 63-630A (7 ratings)  
Four pole 63-630A (7 ratings)

**MCCB-RCCB**

Four pole + RCCB add-on  
63-400A (5 ratings)

**Non-Auto MCCB**

Triple pole 125-630A (4 ratings)  
Four pole 125-630A (4 ratings)

**Specification**

Complies with EN 60 947 part 2 (MCCB)  
EN 60 439 part 1 (enclosure).

**Cable capacity**

63A = 70mm<sup>2</sup>  
100A = 70mm<sup>2</sup>  
125A = 70mm<sup>2</sup>  
160A = 120mm<sup>2</sup>  
250A = 120mm<sup>2</sup>  
400A = 240mm<sup>2</sup>  
630A = 2x240mm<sup>2</sup>

<i>Description</i>	<i>In AC21 A</i>	<i>In A</i>	<i>+RCCB add-on</i>	<i>Cat ref.</i>
<b>Enclosed MCCB</b> Single pole and neutral	Icu 16kA	63A		<b>JG25M</b>
	Icu 16kA	100A		<b>JG28M</b>
	Icu 16kA	125A		<b>JG31M</b>
<b>Enclosed MCCB</b> Triple pole and neutral	Icu 16kA	50 - 63A		<b>JG26M</b>
	Icu 16kA	80 - 100A		<b>JG29M</b>
	Icu 16kA	100 - 125A		<b>JG32M</b>
	non auto	125A		<b>JG34S</b>
	Icu 40kA	128 - 160A		<b>JG36M</b>
	Icu 40kA	200 - 250A		<b>JG40M</b>
	non auto	250A		<b>JG42S</b>
	Icu 45kA	320 - 400A		<b>JG44M</b>
	non auto	400A		<b>JG46S</b>
	Icu 50kA	505 - 630A		<b>JG48M</b>
non auto	630A		<b>JG50S</b>	
<b>Enclosed MCCB</b> Four pole	Icu 16kA	50 - 63A	<b>JG27R</b>	<b>JG27M</b>
	Icu 16kA	80 - 100A	<b>JG30M</b>	
	Icu 16kA	100 - 125A	<b>JG33R</b>	<b>JG33M</b>
	non auto	125A	<b>JG35S</b>	
	Icu 40kA	128 - 160A	<b>JG37R</b>	<b>JG37M</b>
	Icu 40kA	200 - 250A	<b>JG41R</b>	<b>JG41M</b>
	non auto	250A	<b>JG43S</b>	
	Icu 45kA	320 - 400A	<b>JG45R</b>	<b>JG45M</b>
	non auto	400A	<b>JG47S</b>	
	Icu 50kA	505 - 630A	<b>JG49M</b>	
	non auto	630A	<b>JG51S</b>	



JG27R



JG40M