

Commercial Distribution

performa panelboards



:hager

Our solutions for your commercial installation



Our performa panelboard range is a comprehensive range, offering a robust design to accommodate your commercial installation solutions.

Designed and assembled in Australia, the boards can either be supplied standard or entirely loaded and wired. Available up to 400A with various chassis options, the range can house an array of compatible devices such as energy meters and protection devices.



Introduction	4
Features	4
Core of the Installation	6
performa - Selection Guide	8
performa - apex PLUS Overview	10
performa - elite 400 Overview	11
performa - apex Panelboards	12
performa - apex PLUS Panelboards	13
performa - apex PLUS Panelboards with Split Chassis	14
performa - apex PLUS Panelboards with Metering Chassis	16
performa - elite IP66 Panelboards	19
performa - elite IP66 Panelboards with Split Chassis	20
performa - elite IP66 Panelboards with Metering Chassis	22
performa - elite 400 IP66 Panelboards	25
performa - elite 400 IP66 Panelboards	25
Commercial MCBs	27
Commercial RCBOs	32
RCD Add-On Block	35
Kilowatt hour / Energy Meters	36
Digital Multimeters	37
Current Transformers (CTs)	38
Plug-in Meter System	39
Emergency Lighting Kits	41
Surge Protection	42

performa panelboards

apex and apex PLUS

The apex and apex PLUS series are available in 24 to 96 pole standard chassis, with 11 different split chassis options and 24 poles of additional DIN for the apex PLUS.

Metering options are available for the apex PLUS range.



elite and elite 400

The elite series has an IP66 rating, is available in a high current standard or hybrid chassis and has a 316 stainless steel material option across the entire range.

Metering options are available for the elite IP66 range.



Advantages

Hinged, removable and reversible door and escutcheon

Can be supplied standard or fully loaded and wired

Common accessories such as extension boxes, gland plates, handles and smoke seal

Direct connection (no switch) option

elite range has a maximised depth for air flow & cables

Characteristics

Chassis sizes: 24, 36, 48, 60, 72, 96

Incomers: 160/250/400A isolator or 160A/200A MCCB

Split chassis options: 13 types
(only for apex PLUS & elite)

IP43 for apex & apex PLUS
IP66 for elite and elite 400

DIN space:
apex / apex PLUS: 2 x 8 pole DIN with optional 24 pole DIN section
elite: 2 x 8 pole DIN with additional 24 pole DIN section
elite 400: 2 x 7 pole DIN with additional 24 pole DIN section

Rated Current:
apex / apex PLUS: 250A
elite: 250A
elite 400: 400A

Features



01

A tough 1.6mm galvanised steel construction with a ripple powdercoating in either RAL7035 light grey or X15 orange. The elite range also has a 316 grade stainless steel option.



02

The entire performa range has a three point locking system to ensure security and IP are maintained. All handles are key lockable, with additional key barrels available.



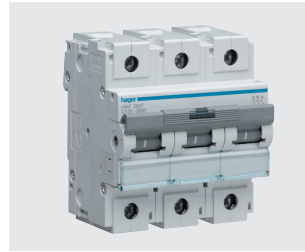
03

Available for apex, apex PLUS and elite, the **h3** MCCB range meets reliability requirements for main incoming devices in commercial premises: strength, protection & standards compliance.



04

For complete protection against touching live parts once energised, all our performa panelboards are supplied with safety boots and safety pole fillers for IP2X protection.



05

The elite 400 hybrid chassis accommodates our 'HMFxxT' 10kA, 80-125A, C curve MCBs with a 27mm (1.5 mod) width. Available in 1, 2 or 3 pole versions and will accept up to 35mm² flexible cable.

At the core of the installation

With your commercial installation requirements in mind, our comprehensive range of compatible devices offer space saving benefits for your next project.

01 Commercial MCB's

Provides added protection against overloads and short circuits in commercial and light industrial applications.

Advantages for you

- 6kA and 10kA breaking capacity supplied as standard offer.
- Reinforced terminals ensure maximum torque.
- Common accessories throughout the range: 2 to 63A

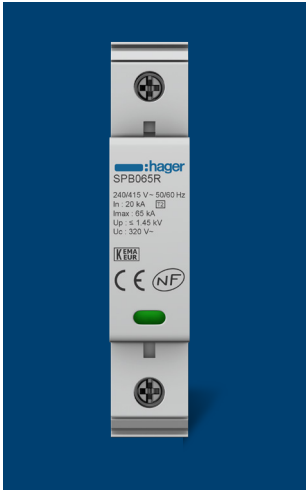


02 Commercial RCBO's

Our commercial RCBO range is available in C Curve up to 50A in 6kA and 10kA, and D Curve up to 32A in 10kA.

Advantages for you

- Single module results in reduced footprint within the panelboard.
- Range of accessories
- 1m neutral fly lead



03 Surge Protection Devices

Surge Protection Devices protect the entire electrical installation and any equipment connected to the installation from Transient Overvoltages. We offer Type 1 Lighting and Type 2 Surge Protection Devices.

Advantages for you

- You can grow your business and benefit the safety of your customers and their home at the same time.

04 Earth Leakage Protection

Save space, time and labour with our 1 module Add-On Block and 3 phase MCB combinations. Our Add-On Block safeguards the circuit and removes the need to wire between DIN mounted RCD and MCB.

Advantages for you

- Small footprint as RCD + 3 pole MCB combination is only 4 poles wide.
- Suits any Hager 6kA and 10kA commercial MCB up to 63A.



05 Energy Meters

Hager's Energy Meters provides powerful, compact and easy to connect solutions for all applications. Compatible with Modbus, RS-485 and KNX protocols, they ensure intelligent energy monitoring in large residential and commercial buildings.



performa Selection Guide

4 easy steps to select your panelboard configuration

01 Pick your range

02 Pick your chassis

03 Pick your incomer

04 Pick your colour

01 apex - IP43



JPA2400S25TW

	02		03		04	
	JPA		####		###	
	T#					
	CHASSIS OPTIONS		INCOMER OPTIONS		COLOUR OPTIONS	
FULL CHASSIS	2400	24 pole chassis	NSS	No switch supplied	W	Standard RAL 7035
	3600	36 pole chassis	S16	160A Isolating switch	X	X15 Orange
	4800	48 pole chassis	S25	250A Isolating switch		
	6000	60 pole chassis	M16	160A MCCB		
	7200	72 pole chassis	M20	200A MCCB		
	9600	96 pole chassis				

01 apex PLUS - IP43

c/w additional 24 Pole DIN rail and 13 split chassis and metering options



JPD3618NSSDW

	02		03		04		05
	JPD		####		###		D#
							-M
	CHASSIS OPTIONS T = Top Chassis, B = Bottom Chassis M = Middle Chassis		INCOMER OPTIONS		COLOUR OPTIONS		
FULL CHASSIS	2400	24 pole chassis	NSS	No switch supplied	W	Standard RAL 7035	
	3600	36 pole chassis	S16	160A Isolating switch	X	X15 Orange	
	4800	48 pole chassis	S25	250A Isolating switch			
	6000	60 pole chassis	M16	160A MCCB			
	7200	72 pole chassis	M20	200A MCCB			
	9600	96 pole chassis					
SPLIT CHASSIS	1812	36 pole 18T / 12B					
	2418	48 pole 24T / 18B					
	3012	48 pole 30T / 12B					
	3618	60 pole 36T / 18B					
	4212	60 pole 42T / 12B					
	3630	72 pole 36T / 30B					
	4224	72 pole 42T / 24B					
	4818	72 pole 48T / 18B					
	3W60	72 pole 18T / 24M / 18B					
	4842	96 pole 48T / 42B					
	6030	96 pole 60T / 30B					
	7218	96 pole 72T / 18B					
	4W78	96 pole 18T / 24M / 24M / 12B					
	243624	96 pole 24T / 36M / 24B*					
	363624	96 pole 36T / 36M / 24B*					
	422436	96 pole 42T / 24M / 36B*					
METERING CHASSIS	1812	36 pole 18T / 12B					
	2418	48 pole 24T / 18B					
	3012	48 pole 30T / 12B					
	3618	60 pole 36T / 18B					
	4212	60 pole 42T / 12B					
	3630	72 pole 36T / 30B					
	4224	72 pole 42T / 24B					
	4818	72 pole 48T / 18B					
	4842	96 pole 48T / 42B					
	6030	96 pole 60T / 30B					
	7218	96 pole 72T / 18B					

METERING OPTION
(CTs integrated within the chassis)
250A Isolating Switch Only

*Only available in 250A Isolating Switch

01 elite - IP66
c/w additional
24 Pole DIN rail,
13 split chassis
and metering
options and
Stainless Steel
material option



JPE4800S25DW

02

03

04

05

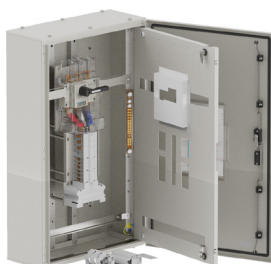
JPE	####	###	D#	-M
-----	------	-----	----	----

	CHASSIS OPTIONS T = Top Chassis, B = Bottom Chassis M = Middle Chassis		INCOMER OPTIONS		COLOUR OPTIONS	
FULL CHASSIS	2400	24 pole chassis	NSS	No switch supplied	W	Standard RAL 7035
	3600	36 pole chassis	S16	160A Isolating switch	X	X15 Orange
	4800	48 pole chassis	S25	250A Isolating switch	S	Stainless Steel
	6000	60 pole chassis	M16	160A MCCB		
	7200	72 pole chassis	M20	200A MCCB		
SPLIT CHASSIS	9600	96 pole chassis				
	1812	36 pole 18T / 12B				
	2418	48 pole 24T / 18B				
	3012	48 pole 30T / 12B				
	3618	60 pole 36T / 18B				
	4212	60 pole 42T / 12B				
	3630	72 pole 36T / 30B				
	4224	72 pole 42T / 24B				
	4818	72 pole 48T / 18B				
	3W60	72 pole 18T / 24M / 18B				
	4842	96 pole 48T / 42B				
	6030	96 pole 60T / 30B				
	7218	96 pole 72T / 18B				
	4W78	96 pole 18T / 24M / 24M / 12B				
	243624	96 pole 24T / 36M / 24B*				
	363624	96 pole 36T / 36M / 24B*				
	422436	96 pole 42T / 24M / 36B*				
METERING CHASSIS	1812	36 pole 18T / 12B				
	2418	48 pole 24T / 18B				
	3012	48 pole 30T / 12B				
	3618	60 pole 36T / 18B				
	4212	60 pole 42T / 12B				
	3630	72 pole 36T / 30B				
	4224	72 pole 42T / 24B				
	4818	72 pole 48T / 18B				
	4842	96 pole 48T / 42B				
	6030	96 pole 60T / 30B				
	7218	96 pole 72T / 18B				

METERING OPTION (CTs integrated within the chassis)	
	250A Isolating Switch Only

* Only available in 250A Isolating Switch

01 elite 400 - IP66
c/w 400A isolating
switch, 4 hybrid
chassis options
and Stainless Steel
material option



JPE0612S40TW

02

03

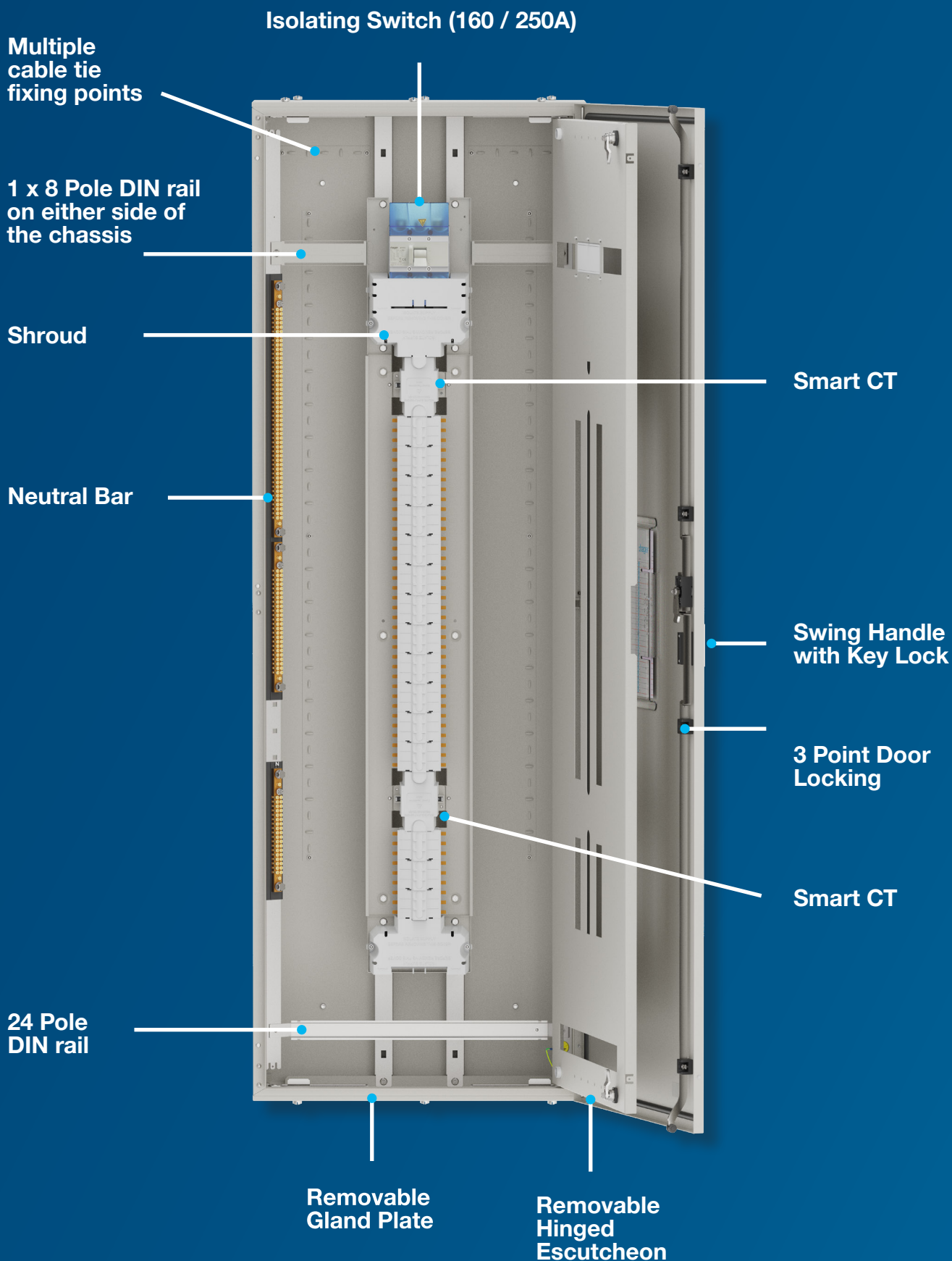
04

JPE	####	S40	T#
-----	------	-----	----

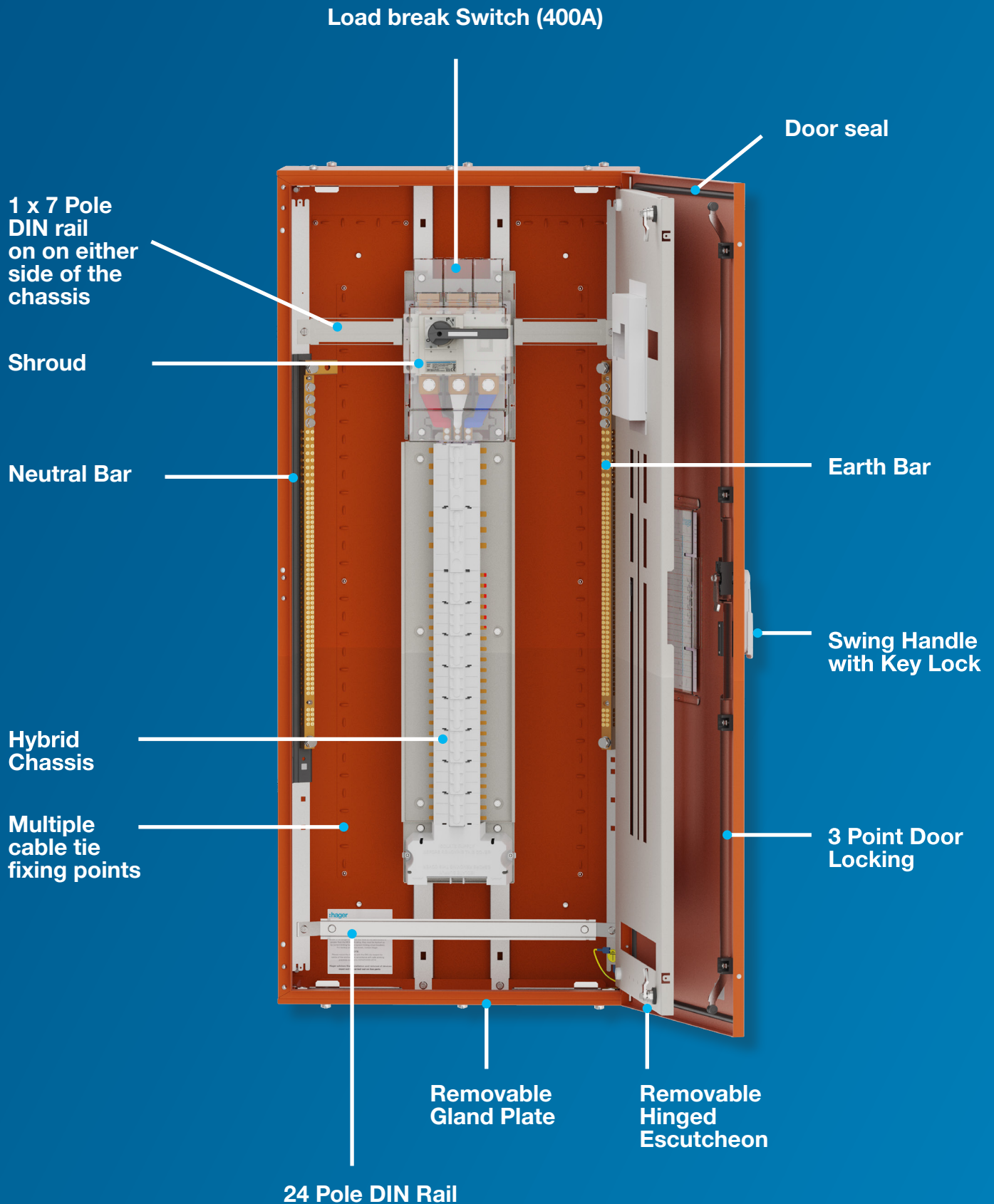
	CHASSIS OPTIONS		COLOUR/MATERIAL	
FULL CHASSIS	3600	36 pole chassis	W	Standard RAL 7035
	4800	48 pole chassis	X	X15 Orange
	6000	60 pole chassis	S	Stainless Steel
	7200	72 pole chassis		
	9600	96 pole chassis		
HYBRID CHASSIS	0612	6 x 1.5 mod + 12 x 1 mod poles	400A isolating switch supplied as incomer	
	0624	6 x 1.5 mod + 24 x 1 mod poles		
	0636	6 x 1.5 mod + 36 x 1 mod poles		
	1248	12 x 1.5 mod + 48 x 1 mod poles		

Quick Overview

apex PLUS

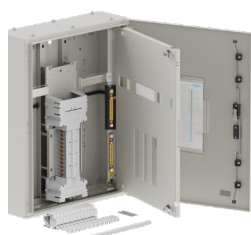


elite 400



Features

- Available in 24 to 96 poles
- 1.6mm tough powdercoated galvanised steel construction
- Galvanised steel gland plates as standard
- Split Neutral & Earth Links with bridged neutrals
- Type tested chassis
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP43 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- X15 orange option
- Swingf handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- Cable management system



JPA2400NSSTW

apex Panelboards with direct connection

Description	Characteristics	Cat ref.
- No switch supplied (NSS)	24 pole	JPA2400NSSTW
- Chassis connection included	36 pole	JPA3600NSSTW
- Standard colour (W)	48 pole	JPA4800NSSTW
- Orange X15 option (X)	60 pole	JPA6000NSSTW
	72 pole	JPA7200NSSTW
	96 pole	JPA9600NSSTW



JPA3600S16TW

apex Panelboards with 160A isolating switch

Description	Characteristics	Cat ref.
- 160A isolating switch (S16)	24 pole	JPA2400S16TW
Colour options:	36 pole	JPA3600S16TW
- Standard colour option (W)	48 pole	JPA4800S16TW
- Orange X15 option (X)	60 pole	JPA6000S16TW
	72 pole	JPA7200S16TW
	96 pole	JPA9600S16TW



JPA4800S25TW

apex Panelboards with 250A isolating switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	24 pole	JPA2400S25TW
Colour options:	36 pole	JPA3600S25TW
- Standard colour option (W)	48 pole	JPA4800S25TW
- Orange X15 option (X)	60 pole	JPA6000S25TW
	72 pole	JPA7200S25TW
	96 pole	JPA9600S25TW



JPA6000M16TX
(X) - X15 orange option

apex Panelboards with 160A MCCB

Description	Characteristics	Cat ref.
- 160A MCCB - HNB160U - can be adjusted down to 100A (M16)	24 pole	JPA2400M16TW
Colour options:	36 pole	JPA3600M16TW
- Standard colour option (W)	48 pole	JPA4800M16TW
- Orange X15 option (X)	60 pole	JPA6000M16TW
	72 pole	JPA7200M16TW
	96 pole	JPA9600M16TW

apex Panelboards with 200A MCCB

Description	Characteristics	Cat ref.
- 200A MCCB - HNB200U - can be adjusted down to 151A (M20)	24 pole	JPA2400M20TW
Colour options:	36 pole	JPA3600M20TW
- Standard colour option (W)	48 pole	JPA4800M20TW
- Orange X15 option (X)	60 pole	JPA6000M20TW
	72 pole	JPA7200M20TW
	96 pole	JPA9600M20TW

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section
- 1.6mm tough powdercoated galvanised steel construction
- Galvanised steel gland plates as standard
- Split Neutral & Earth Links with bridged neutrals
- Type tested chassis
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP43 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- X15 orange option
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- Cable management system

apex PLUS Panelboards with direct connection

Description	Characteristics	Cat ref.
- No switch supplied (NSS)	24 pole	JPD2400NSSDW
- Chassis connection included	36 pole	JPD3600NSSDW
- apex PLUS features additional 24 pole DIN section	48 pole	JPD4800NSSDW
Colour options:	60 pole	JPD6000NSSDW
- Standard colour (W)	72 pole	JPD7200NSSDW
- Orange X15 option (X)	96 pole	JPD9600NSSDW



JPD2400NSSDW

apex PLUS Panelboards with 160A isolating switch

Description	Characteristics	Cat ref.
- 160A isolating switch (S16)	24 pole	JPD2400S16DW
- apex PLUS features additional 24 pole DIN section	36 pole	JPD3600S16DW
Colour options:	48 pole	JPD4800S16DW
- Standard colour option (W)	60 pole	JPD6000S16DW
- Orange X15 option (X)	72 pole	JPD7200S16DW
	96 pole	JPD9600S16DW



JPD3600S16DW

apex PLUS Panelboards with 250A isolating switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	24 pole	JPD2400S25DW
- apex PLUS features additional 24 pole DIN section	36 pole	JPD3600S25DW
Colour options:	48 pole	JPD4800S25DW
- Standard colour option (W)	60 pole	JPD6000S25DW
- Orange X15 option (X)	72 pole	JPD7200S25DW
	96 pole	JPD9600S25DW



JPD4800S25DW

apex PLUS Panelboards with 160A MCCB

Description	Characteristics	Cat ref.
- 160A MCCB - HNB160U - can be adjusted down to 100A (M16)	24 pole	JPD2400M16DW
- apex PLUS features additional 24 pole DIN section	36 pole	JPD3600M16DW
Colour options:	48 pole	JPD4800M16DW
- Standard colour option (W)	60 pole	JPD6000M16DW
- Orange X15 option (X)	72 pole	JPD7200M16DW
	96 pole	JPD9600M16DW



JPD6000M16DW

apex PLUS Panelboards with 200A MCCB

Description	Characteristics	Cat ref.
- 200A MCCB - HNB200U - can be adjusted down to 151A (M20)	24 pole	JPD2400M20DW
- apex PLUS features additional 24 pole DIN section	36 pole	JPD3600M20DW
Colour options:	48 pole	JPD4800M20DW
- Standard colour option (W)	60 pole	JPD6000M20DW
- Orange X15 option (X)	72 pole	JPD7200M20DW
	96 pole	JPD9600M20DW

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section
- 11 different split chassis options
- 1.6mm tough powdercoated galvanised steel construction
- Galvanised steel gland plates as standard
- Split Neutral & Earth Links with bridged neutrals
- Type tested chassis
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP43 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- X15 orange option
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card



JPD1812NSSDW

apex PLUS Panelboards with Split Chassis and Direct Connection

Description	Characteristics	Cat ref.
- No switch supplied (NSS)	36 pole 18 top / 12 bttm	JPD1812NSSDW
- Chassis connection included	48 pole 24 top / 18 bttm	JPD2418NSSDW
- Less 6 poles for split	48 pole 30 top / 12 bttm	JPD3012NSSDW
Colour options:	60 pole 36 top / 18 bttm	JPD3618NSSDW
- Standard colour (W)	72 pole 36 top / 30 bttm	JPD3630NSSDW
- Orange X15 option (X)	60 pole 42 top / 12 bttm	JPD4212NSSDW
	72 pole 42 top / 24 bttm	JPD4224NSSDW
	72 pole 48 top / 18 bttm	JPD4818NSSDW
	96 pole 48 top / 42 bttm	JPD4842NSSDW
	96 pole 60 top / 30 bttm	JPD6030NSSDW
	96 pole 72 top / 18 bttm	JPD7218NSSDW



JPD1812S16DW

apex PLUS Panelboards with Split Chassis and 160A Isolating Switch

Description	Characteristics	Cat ref.
- 160A isolating switch (S16)	36 pole 18 top / 12 bttm	JPD1812S16DW
- Less 6 poles for split	48 pole 24 top / 18 bttm	JPD2418S16DW
Colour options:	48 pole 30 top / 12 bttm	JPD3012S16DW
- Standard colour (W)	60 pole 36 top / 18 bttm	JPD3618S16DW
- Orange X15 option (X)	72 pole 36 top / 30 bttm	JPD3630S16DW
	60 pole 42 top / 12 bttm	JPD4212S16DW
	72 pole 42 top / 24 bttm	JPD4224S16DW
	72 pole 48 top / 18 bttm	JPD4818S16DW
	96 pole 48 top / 42 bttm	JPD4842S16DW
	96 pole 60 top / 30 bttm	JPD6030S16DW
	96 pole 72 top / 18 bttm	JPD7218S16DW



JPD1812S25DW

apex PLUS Panelboards with Split Chassis and 250A Isolating Switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	36 pole 18 top / 12 bttm	JPD1812S25DW
- Less 6 poles for split	48 pole 24 top / 18 bttm	JPD2418S25DW
Colour options:	48 pole 30 top / 12 bttm	JPD3012S25DW
- Standard colour (W)	60 pole 36 top / 18 bttm	JPD3618S25DW
- Orange X15 option (X)	72 pole 36 top / 30 bttm	JPD3630S25DW
	60 pole 42 top / 12 bttm	JPD4212S25DW
	72 pole 42 top / 24 bttm	JPD4224S25DW
	72 pole 48 top / 18 bttm	JPD4818S25DW
	96 pole 48 top / 42 bttm	JPD4842S25DW
	96 pole 60 top / 30 bttm	JPD6030S25DW
	96 pole 72 top / 18 bttm	JPD7218S25DW

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section
- 11 different split chassis options
- 1.6mm tough powdercoated galvanised steel construction
- Galvanised steel gland plates as standard
- Split Neutral & Earth Links with bridged neutrals
- Type tested chassis
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP43 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- X15 orange option
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card

apex PLUS Panelboards with Split Chassis and 160A MCCB

Description	Characteristics	Cat ref.
- 160A MCCB - HNB160U - can be adjusted down to 100A (M16) - Less 6 poles for split Colour options: - Standard colour (W) - Orange X15 option (X)	36 pole 18 top / 12 bttm	JPD1812M16DW
	48 pole 24 top / 18 bttm	JPD2418M16DW
	48 pole 30 top / 12 bttm	JPD3012M16DW
	60 pole 36 top / 18 bttm	JPD3618M16DW
	72 pole 36 top / 30 bttm	JPD3630M16DW
	60 pole 42 top / 12 bttm	JPD4212M16DW
	72 pole 42 top / 24 bttm	JPD4224M16DW
	72 pole 48 top / 18 bttm	JPD4818M16DW
	96 pole 48 top / 42 bttm	JPD4842M16DW
	96 pole 60 top / 30 bttm	JPD6030M16DW
	96 pole 72 top / 18 bttm	JPD7218M16DW



JPD1812M16DW

apex PLUS Panelboards with Split Chassis and 200A MCCB

Description	Characteristics	Cat ref.
- 200A MCCB - HNB200U - can be adjusted down to 151A (M20) - Less 6 poles for split Colour options: - Standard colour option (W) - Orange X15 option (X)	36 pole 18 top / 12 bttm	JPD1812M20DW
	48 pole 24 top / 18 bttm	JPD2418M20DW
	48 pole 30 top / 12 bttm	JPD3012M20DW
	60 pole 36 top / 18 bttm	JPD3618M20DW
	72 pole 36 top / 30 bttm	JPD3630M20DW
	60 pole 42 top / 12 bttm	JPD4212M20DW
	72 pole 42 top / 24 bttm	JPD4224M20DW
	72 pole 48 top / 18 bttm	JPD4818M20DW
	96 pole 48 top / 42 bttm	JPD4842M20DW
	96 pole 60 top / 30 bttm	JPD6030M20DW
	96 pole 72 top / 18 bttm	JPD7218M20DW



JPD12418M20DW

elite Panelboards with 3 Split Chassis with various incomer kits

Description	Characteristics	Cat ref.
Replace with the below for your preferred incomer option: - No switch supplied (NSS) - 160A isolating switch (S16) - 250A isolating switch (S25) - 160A MCCB (M16) - 200A MCCB (M20)	72 pole - 18 top / 24 mid / 18 btm	JPD3W60NSSDW
	96 pole - 18 top / 24 mid / 24 mid / 12 btm	JPD4W78NSSDW
Colour options: - Standard colour (W) - Orange X15 option (X) - Stainless steel option (S)		



JPD363624S25DW1

apex PLUS Panelboards with 3 Split Chassis and 250A Isolating Switch only

Description	Characteristics	Cat ref.
- 250A isolating switch (S25) Colour option: - Standard colour (W)	96 pole 24 top / 36 middle / 24 bottom	★ JPD243624S25DW1
	96 pole 36 top / 36 middle / 24 bottom	★ JPD363624S25DW1
	96 pole 42 top / 24 middle / 30 bottom	★ JPD422430S25DW1

Hager's new metering chassis option allows CTs to be integrated within the chassis.

Meters and CTs will need to be ordered separately.

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section
- 11 different metering options
- 1.6mm tough powdercoated galvanised steel construction
- Galvanised steel gland plates as standard
- Split Neutral & Earth Links with bridged neutrals
- Type tested chassis
- 2 x 8 pole DIN
- IP43 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card



JPD1812S25DW-M



JPD6030S25DW-M

apex PLUS Panelboards with Metering Chassis and 250A Isolating Switch

Description	Characteristics	Cat ref.
- Chassis connection included - Less 6 poles for split Colour options: - Standard colour (W)	36 pole - 18 top / 12 btm	★ JPD1812S25DW-M
	24 pole	★ JPD2400S25DW-M
	48 pole - 24 top / 18 btm	★ JPD2418S25DW-M
	48 pole - 30 top / 12 btm	★ JPD3012S25DW-M
	36 pole	★ JPD3600S25DW-M
	60 pole - 36 top / 18 btm	★ JPD3618S25DW-M
	72 pole - 36 top / 30 btm	★ JPD3630S25DW-M
	60 pole - 42 top / 12 btm	★ JPD4212S25DW-M
	72 pole - 42 top / 24 btm	★ JPD4224S25DW-M
	48 pole	★ JPD4800S25DW-M
	72 pole - 48 top / 18 btm	★ JPD4818S25DW-M
	96 pole - 48 top / 42 btm	★ JPD4842S25DW-M
	60 pole	★ JPD6000S25DW-M
	96 pole - 60 top / 30 btm	★ JPD6030S25DW-M
	72 pole	★ JPD7200S25DW-M
	96 pole - 72 top / 18 btm	★ JPD7218S25DW-M
	96 pole	★ JPD9600S25DW-M

Digital Meters & CT for panelboards with Metering Option

Description	Cat ref.
3 Phase CT Note: Used only with metering chassis in apex PLUS and standard elite	★ HGR183
Three Phase DIN Rail Energy Meter Note: Only suitable for metering chassis when used with apex PLUS and elite IP66	★ HGR43-DAU



HGR43-DAU

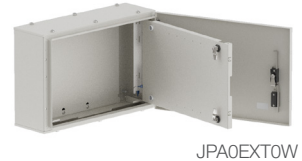


HGR183

Extension Box

Supplied blank with mounting pan or with 48 pole DIN rail, w/out gland plates top and bottom.
Gland plates only required if mounting as a stand alone.

Description	Characteristics	Cat. ref - Without DIN rail	Cat. ref - With DIN rail
apex series	Standard RAL7035, Grey	JPA0EXT0W	JPA0EXTDW
400H x 600W x 200D	X15 Orange door	JPA0EXT0X	JPA0EXTDX



JPA0EXT0W

Chassis only

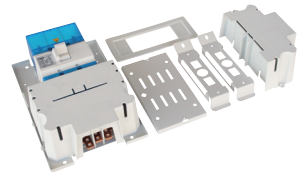
Description	Characteristics	Cat ref.
Chassis only - standard	24 pole chassis	JPD2400C
	36 pole chassis	JPD3600C
	48 pole chassis	JPD4800C
	60 pole chassis	JPD6000C
	72 pole chassis	JPD7200C
	96 pole chassis	JPD9600C
Chassis only - split	18/12 split chassis	JPD1812C
	24/18 split chassis	JPD2418C
	30/12 split chassis	JPD3012C
	36/18 split chassis	JPD3618C
	36/30 split chassis	JPD3630C
	42/12 split chassis	JPD4212C
	42/24 split chassis	JPD4224C
	48/18 split chassis	JPD4818C
	48/42 split chassis	JPD4842C
	60/30 split chassis	JPD6030C
	72/18 split chassis	JPD7218C
Chassis only - metering	18/12 metering chassis	JPD1812CM
	24/18 metering chassis	JPD2418CM
	30/12 metering chassis	JPD3012CM
	36/18 metering chassis	JPD3618CM
	36/30 metering chassis	JPD3630CM
	42/12 metering chassis	JPD4212CM
	42/24 metering chassis	JPD4224CM
	48/18 metering chassis	JPD4818CM
	48/42 metering chassis	JPD4842CM
	60/30 metering chassis	JPD6030CM
	72/18 metering chassis	JPD7218CM



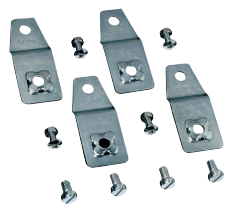
JPD2418C

Incomer Kits - Main and Secondary

Description	Characteristics	Cat ref. - Main	Cat ref. - Secondary
Incomer kits to fit in 250A panelboards	160A isolating switch	JPA0S16K3	JPA0S160
	250A isolating switch	JPA0S25K3	JPA0S250
	160A MCCB	JPA0M16K3	JPA0M160
	200A MCCB	JPA0M20K3	JPA0M200
Chassis connection kit top/bottom	Shroud & spreaders	JPA0D25K3	JPA0D250



JPA0S25K3



FL85Z



JPASMSEAL1

Other Accessories

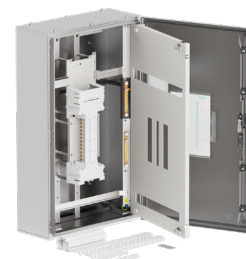
Description	Characteristics	Cat ref.
Aluminium Gland Plates (pair)	for apex	JPAGPALU
Aluminium Gland Plates (pair)	for apex - Orange x15	JPAGPALUX
Handle with keylock 92268	for apex	JPA0LCK9
Spare Key	CL001	JVC0LSK
Safety pole fillers	1 mod - 10 pack (JK01B)	JVC0PFL
Pole fillers	10 pack	JP012
Cylinder inserts for elite swing handle	Key EK333	FL98Z
	CL001 & key	FL72Z
	92268 & key	FL73Z
	E-lock key	FL75Z1
	Blank with ball bearing	FL78Z3AU
Smoke seal	For apex and apex plus 800H or 1000H	JPASMSEAL1
	For apex and apex plus 1200H, 1400H or 1600H	JPASMSEAL2
Wall mounting bracket kit	4 pieces	FL85Z
Document holder	Adhesive backed	JK2X007AU
Keylock - 1/4 turn 92268	for extension box	JPA0LXT9
N & E link kit	for extension box	JPA0EXTNE

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section at bottom
- Fully welded 1.2mm 316 stainless steel or 1.6mm powdercoated galvanised steel construction
- Increased depth to 250mm
- Removable gland plates as standard
- Split neutral & earth links with bridged neutrals
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP66 rated
- Fault current rated at 20kA for 0.2 sec
- X15 orange option
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- CL001 key lock as standard
- Cable management system

elite IP66 Panelboards with Direct Connection

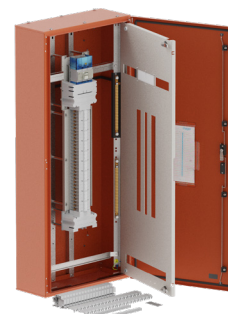
Description	Characteristics	Cat ref.
- No switch supplied (NSS)	24 pole	JPE2400NSSDW
- Chassis connection included	36 pole	JPE3600NSSDW
Colour options:	48 pole	JPE4800NSSDW
- Standard colour (W)	60 pole	JPE6000NSSDW
- Orange X15 option (X)	72 pole	JPE7200NSSDW
- Stainless Steel - 316 grade (S)	96 pole	JPE9600NSSDW



JPE2400NSSDW

elite IP66 Panelboards with 160A Isolating Switch

Description	Characteristics	Cat ref.
- 160A isolating switch (S16)	24 pole	JPE2400S16DW
Colour options:	36 pole	JPE3600S16DW
- Standard colour (W)	48 pole	JPE4800S16DW
- Orange X15 option (X)	60 pole	JPE6000S16DW
- Stainless Steel - 316 grade (S)	72 pole	JPE7200S16DW
	96 pole	JPE9600S16DW



JPE6000S16DW
(X) - X15 orange option

elite IP66 Panelboards with 250A Isolating Switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	24 pole	JPE2400S25DW
Colour options:	36 pole	JPE3600S25DW
- Standard colour (W)	48 pole	JPE4800S25DW
- Orange X15 option (X)	60 pole	JPE6000S25DW
- Stainless Steel - 316 grade (S)	72 pole	JPE7200S25DW
	96 pole	JPE9600S25DW



JPE3600S25DW

elite IP66 Panelboards with 160A MCCB

Description	Characteristics	Cat ref.
- 160A MCCB - HNB160U - can be adjusted down to 100A (M16)	24 pole	JPE2400M16DW
Colour options:	36 pole	JPE3600M16DW
- Standard colour (W)	48 pole	JPE4800M16DW
- Orange X15 option (X)	60 pole	JPE6000M16DW
- Stainless Steel - 316 grade (S)	72 pole	JPE7200M16DW
	96 pole	JPE9600M16DW



JPE7200M16DW

elite IP66 Panelboards with 200A MCCB

Description	Characteristics	Cat ref.
- 200A MCCB - HNB200U - can be adjusted down to 151A (M20)	24 pole	JPE2400M20DW
Colour options:	36 pole	JPE3600M20DW
- Standard colour option (W)	48 pole	JPE4800M20DW
- Orange X15 option (X)	60 pole	JPE6000M20DW
- Stainless Steel - 316 grade (S)	72 pole	JPE7200M20DW
	96 pole	JPE9600M20DW

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section at bottom
- Fully welded 1.2mm 316 stainless steel or 1.6mm powdercoated galvanised steel construction
- Increased depth to 250mm
- Removable gland plates as standard
- Split neutral & earth links with bridged neutrals
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP66 rated
- Fault current rated at 20kA for 0.2 sec
- X15 orange option
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- CL001 key lock as standard
- Cable management system



JPE1812NSSDW

elite IP66 Panelboards with Split Chassis and Direct Connection

Description	Characteristics	Cat ref.
- No switch supplied (NSS)	36 pole - 18 top / 12 btm	JPE1812NSSDW
- Chassis connection included	48 pole - 24 top / 18 btm	JPE2418NSSDW
Colour options:	48 pole - 30 top / 12 btm	JPE3012NSSDW
- Standard colour (W)	60 pole - 36 top / 18 btm	JPE3618NSSDW
- Orange X15 option (X)	60 pole - 42 top / 12 btm	JPE4212NSSDW
- Less 6 poles for split	72 pole - 36 top / 30 btm	JPE3630NSSDW
	72 pole - 42 top / 24 btm	JPE4224NSSDW
	72 pole - 48 top / 18 btm	JPE4818NSSDW
	96 pole - 48 top / 42 btm	JPE4842NSSDW
	96 pole - 60 top / 30 btm	JPE6030NSSDW
	96 pole - 72 top / 18 btm	JPE7218NSSDW



JPE2400S16DX
(X) - X15 orange option

elite IP66 Panelboards with Split Chassis and 160A Isolating Switch

Description	Characteristics	Cat ref.
- 160A isolating switch (S16)	36 pole - 18 top / 12 btm	JPE1812S16DW
Colour options:	48 pole - 24 top / 18 btm	JPE2418S16DW
- Standard colour (W)	48 pole - 30 top / 12 btm	JPE3012S16DW
- Orange X15 option (X)	60 pole - 36 top / 18 btm	JPE3618S16DW
- Less 6 poles for split	60 pole - 42 top / 12 btm	JPE4212S16DW
	72 pole - 36 top / 30 btm	JPE3630S16DW
	72 pole - 42 top / 24 btm	JPE4224S16DW
	72 pole - 48 top / 18 btm	JPE4818S16DW
	96 pole - 48 top / 42 btm	JPE4842S16DW
	96 pole - 60 top / 30 btm	JPE6030S16DW
	96 pole - 72 top / 18 btm	JPE7218S16DW



JPE3012S25DW

elite IP66 Panelboards with Split Chassis and 250A Isolating Switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	36 pole - 18 top / 12 btm	JPE1812S25DW
Colour options:	48 pole - 24 top / 18 btm	JPE2418S25DW
- Standard colour (W)	48 pole - 30 top / 12 btm	JPE3012S25DW
- Orange X15 option (X)	60 pole - 36 top / 18 btm	JPE3618S25DW
- Less 6 poles for split	60 pole - 42 top / 12 btm	JPE4212S25DW
	72 pole - 36 top / 30 btm	JPE3630S25DW
	72 pole - 42 top / 24 btm	JPE4224S25DW
	72 pole - 48 top / 18 btm	JPE4818S25DW
	96 pole - 48 top / 42 btm	JPE4842S25DW
	96 pole - 60 top / 30 btm	JPE6030S25DW
	96 pole - 72 top / 18 btm	JPE7218S25DW

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section at bottom
- Fully welded 1.2mm 316 stainless steel or 1.6mm powdercoated galvanised steel construction
- Increased depth to 250mm
- Removable gland plates as standard
- Split neutral & earth links with bridged neutrals
- Choice of incomer switches or MCCB device
- 2 x 8 pole DIN
- IP66 rated
- Fault current rated at 20kA for 0.2 sec
- X15 orange option
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- CL001 key lock as standard
- New cable management system

elite Panelboards with Split Chassis and 160A MCCB

Description	Characteristics	Cat ref.
- 160A MCCB - HNB160U - can be adjusted down to 100A (M16) Colour options: - Standard colour (W) - Orange X15 option (X) - Less 6 poles for split	36 pole - 18 top / 12 btm	JPE1812M16DW
	48 pole - 24 top / 18 btm	JPE2418M16DW
	48 pole - 30 top / 12 btm	JPE3012M16DW
	60 pole - 36 top / 18 btm	JPE3618M16DW
	60 pole - 42 top / 12 btm	JPE4212M16DW
	72 pole - 36 top / 30 btm	JPE3630M16DW
	72 pole - 42 top / 24 btm	JPE4224M16DW
	72 pole - 48 top / 18 btm	JPE4818M16DW
	96 pole - 48 top / 42 btm	JPE4842M16DW
	96 pole - 60 top / 30 btm	JPE6030M16DW
	96 pole - 72 top / 18 btm	JPE7218M16DW



JPE4842M16DW

elite Panelboards with Split Chassis and 200A MCCB

Description	Characteristics	Cat ref.
- 200A MCCB - HNB200U - can be adjusted down to 151A (M20) Colour options: - Standard colour (W) - Orange X15 option (X) - Less 6 poles for split	36 pole - 18 top / 12 btm	JPE1812M20DW
	48 pole - 24 top / 18 btm	JPE2418M20DW
	48 pole - 30 top / 12 btm	JPE3012M20DW
	60 pole - 36 top / 18 btm	JPE3618M20DW
	60 pole - 42 top / 12 btm	JPE4212M20DW
	72 pole - 36 top / 30 btm	JPE3630M20DW
	72 pole - 42 top / 24 btm	JPE4224M20DW
	72 pole - 48 top / 18 btm	JPE4818M20DW
	96 pole - 48 top / 42 btm	JPE4842M20DW
	96 pole - 60 top / 30 btm	JPE6030M20DW
	96 pole - 72 top / 18 btm	JPE7218M20DW



Split chassis option

elite Panelboards with 3 Split Chassis with various incomer kits

Description	Characteristics	Cat ref.
Replace with the below for your preferred incomer option: - No switch supplied (NSS) - 160A isolating switch (S16) - 250A isolating switch (S25) - 160A MCCB (M16) - 200A MCCB (M20)	72 pole - 18 top / 24 mid / 18 btm	JPE3W60NSSDW
	96 pole - 18 top / 24 mid / 24 mid / 12 btm	JPE4W78NSSDW
Colour options: - Standard colour (W) - Orange X15 option (X) - Stainless steel option (S)		

elite Panelboards with 3 Split Chassis and 250A Isolating Switch only

Description	Characteristics	Cat ref.
- 250A isolating switch (S25)	96 pole - 24 top / 36 mid / 24 btm	★ JPE243624S25DW1
Colour option: - Standard colour (W)	96 pole - 36 top / 36 mid / 24 btm	★ JPE363624S25DW1
	96 pole - 42 top / 24 mid / 30 btm	★ JPE422430S25DW1

Hager's new metering chassis option allows CTs to be integrated within the chassis.

Meters and CTs will need to be ordered separately.

Features

- Available in 24 to 96 poles
- Removable 24 pole DIN section at bottom
- Fully welded 1.2mm 316 stainless steel or 1.6mm powdercoated galvanised steel construction
- Increased depth to 250mm
- Removable gland plates as standard
- Split neutral & earth links with bridged neutrals
- 2 x 8 pole DIN
- IP66 rated
- Fault current rated at 20kA for 0.2 sec
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Safety pole fillers
- Circuit identification card
- CL001 key lock as standard
- New cable management system



JPE1812S25DW-M



JPE7218S25DW-M

elite Panelboards with Metering Chassis and 250A Isolating Switch

Description	Characteristics	Cat ref.
- 250A isolating switch (S25) - Less 6 poles for split Colour options: - Standard colour (W)	36 pole - 18 top / 12 btm	★ JPE1812S25DW-M
	24 pole	★ JPE2400S25DW-M
	48 pole - 24 top / 18 btm	★ JPE2418S25DW-M
	48 pole - 30 top / 12 btm	★ JPE3012S25DW-M
	36 pole	★ JPE3600S25DW-M
	60 pole - 36 top / 18 btm	★ JPE3618S25DW-M
	72 pole - 36 top / 30 btm	★ JPE3630S25DW-M
	60 pole - 72 top / 18 btm	★ JPE4212S25DW-M
	72 pole - 42 top / 24 btm	★ JPE4224S25DW-M
	48 pole	★ JPE4800S25DW-M
	72 pole - 48 top / 18 btm	★ JPE4818S25DW-M
	96 pole - 48 top / 42 btm	★ JPE4842S25DW-M
	60 pole	★ JPE6000S25DW-M
	96 pole - 60 top / 30 btm	★ JPE6030S25DW-M
	72 pole	★ JPE7200S25DW-M
	96 pole - 72 top / 18 btm	★ JPE7218S25DW-M
	96 pole	★ JPE9600S25DW-M

Digital Meters & CT for panelboards with Metering Option

Description	Cat ref.
3 Phase CT Note: Used only with metering chassis in apex PLUS and standard elite	★ HGR183
Three Phase DIN Rail Energy Meter Note: Only suitable for metering chassis when used with apex PLUS and elite IP66	★ HGR43-DAU



HGR43-DAU



HGR183

Extension Box

Supplied blank with mounting pan or with 48 pole DIN rail, w/out gland plates top and bottom.
Gland plates only required if mounting as a stand alone.

Description	Characteristics	Cat. ref - Without DIN rail	Cat. ref - With DIN rail
elite series 400H x 600W x 250D	Standard RAL7035	JPE0EXT0W	JPE0EXTDW
	X15 Orange	JPE0EXT0X	JPE0EXTDX
	Stainless Steel (316 grade)	JPE0EXT0L	JPE0EXTDL



JPE0EXT0W

Chassis only

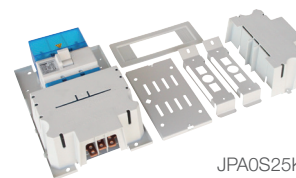
Description	Characteristics	Cat ref.
Chassis only - standard	24 pole chassis	JPD2400C
	36 pole chassis	JPD3600C
	48 pole chassis	JPD4800C
	60 pole chassis	JPD6000C
	72 pole chassis	JPD7200C
	96 pole chassis	JPD9600C
Chassis only - split	18/12 split chassis	JPD1812C
	24/18 split chassis	JPD2418C
	30/12 split chassis	JPD3012C
	36/18 split chassis	JPD3618C
	36/30 split chassis	JPD3630C
	42/12 split chassis	JPD4212C
	42/24 split chassis	JPD4224C
	48/18 split chassis	JPD4818C
	48/42 split chassis	JPD4842C
	60/30 split chassis	JPD6030C
Chassis only - metering	18/12 metering chassis	JPD1812CM
	24/18 metering chassis	JPD2418CM
	30/12 metering chassis	JPD3012CM
	36/18 metering chassis	JPD3618CM
	36/30 metering chassis	JPD3630CM
	42/12 metering chassis	JPD4212CM
	42/24 metering chassis	JPD4224CM
	48/18 metering chassis	JPD4818CM
	48/42 metering chassis	JPD4842CM
	60/30 metering chassis	JPD6030CM
	72/18 metering chassis	JPD7218CM



JPD2418C

Incomer Kits (Main and Secondary)

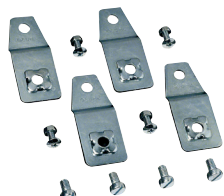
Description	Characteristics	Cat ref. - Main	Cat ref. - Secondary
Incomer kits to fit in 250A panelboards	160A isolating switch	JPA0S16K3	JPA0S160
	250A isolating switch	JPA0S25K3	JPA0S250
	160A MCCB	JPA0M16K3	JPA0M160
	200A MCCB	JPA0M20K3	JPA0M200
Chassis connection kit top/bottom	Shroud & spreaders	JPA0D25K3	JPA0D250



JPA0S25K



FL72Z



FL85Z

Other Accessories

Description	Characteristics	Cat ref.
Aluminium Gland Plates (pair)	for elite	JPEGPALU
Aluminium Gland Plates (pair)	for elite - orange	JPEGPALUX
Safety pole fillers	1 mod - 10 pack (JK01B)	JVC0PFL
	1.5 mod - 3 pack	JPE015PFL
Pole fillers	10 pack	JP012
Cylinder inserts for elite swing handle	Key EK333	FL98Z
	CL001 & key	FL72Z
	92268 & key	FL73Z
	E-lock key	FL75Z1
	Blank with ball bearing	FL78Z3AU
Spare Key	CL001	JVC0LSK
Padlockable swinghandle for elite		FL78Z1AU
Wall mounting bracket kit	4 pieces	FL85Z
Document holder	Adhesive backed	JK2X007AU
Keylock - 1/4 turn 92268	for extension box	JPA0LXT9
N & E link kit	for extension box	JPA0EXTNE
Mounting pan	for extension box	JPA0EXTMP
JPE Plinth	Galvanised plinth	JPEPLINTH

elite 400 features

- Fully welded 1.2mm 316 stainless steel or 1.6mm powdercoated galvanised steel construction
- Increased depth to 250mm
- Removable gland plates as standard
- 400A isolating switch supplied as incomer
- IP66 rated
- Fault current rated at 20kA for 0.2 sec
- X15 orange option
- Safety pole fillers
- 2 x 7 Pole DIN
- Removable 24 Pole DIN section
- Field reversible door and hinged escutcheon
- Swing handle with key lock
- Positive MCB alignment
- Circuit identification card
- CL001 key lock as standard
- Cable management system

Standard chassis only features

- Available in 36 to 96 poles
- Split neutral & earth links with bridged neutrals

Hybrid chassis only features

- Utilises a hybrid chassis that combines a 1.5mod pole chassis with a 1mod pole chassis, giving it the ability to fit the HMFxxxT 80-125A, 10kA, 4.5mod MCBs, as well as the standard 10kA, 1-4mod device range.
- Available in 18, 30, 42 and 60 poles
 - Neutral & earth links with increased capacity for M8 lugs and two screw tunnel connections

elite 400 Full Chassis

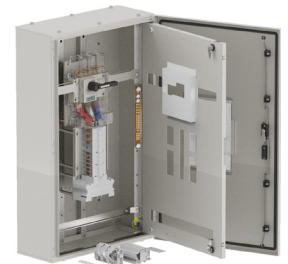
Description	Characteristics	Current (In a)	Cat. ref.
- 400A isolating switch supplied fitted (240mm cable size - M10 cable lug)	36 pole	325A	JPE3600S40TW
	48 pole	375A	JPE4800S40TW
- Standard colour (W)	60 pole	375A	JPE6000S40TW
- Orange X15 option (X)	72 pole	375A	JPE7200S40TW
- Stainless steel 316 grade (S)	96 pole	375A	JPE9600S40TW



JPE3600S40TW

elite 400 with Hybrid Chassis

Description	Characteristics	Current (In a)	Cat. ref.
- 400A isolating switch supplied fitted (240mm cable size - M10 cable lug)	18P - 6x 1.5mod / 12x 1mod	320A	JPE0612S40TW
	30P - 6x 1.5mod / 24x 1mod	400A	JPE0624S40TW
- Standard colour (W)	42P - 6x 1.5mod / 36x 1mod	400A	JPE0636S40TW
- Orange X15 option (X)	60P - 12x 1.5mod / 48x 1mod	400A	JPE1248S40TW
- Stainless steel 316 grade (S)			



JPE0612S40TW



Stainless steel option (S)



JPE0EXT0W

Extension Box

Supplied blank with mounting pan or with 48 pole DIN rail, w/out gland plates top and bottom.
Gland plates only required if mounting as a stand alone.

Description	Characteristics	Cat. ref - Without DIN rail	Cat. ref - With DIN rail
elite series	Standard RAL7035	JPE0EXT0W	JPE0EXTDW
400H x 600W x 250D	X15 Orange	JPE0EXT0X	JPE0EXTDX
	Stainless Steel (316 grade)	JPE0EXT0L	JPE0EXTDL



JK4P208C1

Chassis only

Description	Characteristics	Current (In a)	Cat ref.
Chassis only - standard	36 pole chassis	325A	JK4P12C1
	48 pole chassis	375A	JK4P16C1
	60 pole chassis	375A	JK4P20C1
	72 pole chassis	375A	JK4P24C1
	96 pole chassis	375A	JK4P32C1
Chassis only - hybrid	18P - 6x 1.5mod / 12x 1mod	320A	JK4P204C1
	30P - 6x 1.5mod / 24x 1mod	400A	JK4P208C1
	42P - 6x 1.5mod / 36x 1mod	400A	JK4P212C1
	60P - 12x 1.5mod / 48x 1mod	400A	JK4P416C1



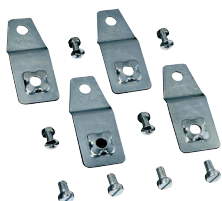
JPA0S25K

Incomer Kit (Main)

Description	Characteristics	Cat ref. - Main
Main incomer kit	400A	JPA0S40K1



FL72Z



FL85Z

Other Accessories

Description	Characteristics	Cat ref.
Aluminium Gland Plates (pair)	for elite	JPEGPALU
Aluminium Gland Plates (pair)	for elite - orange	JPEGPALUX
Safety pole fillers	1 mod - 10 pack (JK01B)	JVC0PFL
	1.5 mod - 3 pack	JPE015PFL
Pole fillers	10 pack	JP012
Cylinder inserts for elite swinghandle	Key EK333	FL98Z
	CL001 & key	FL72Z
	92268 & key	FL73Z
	E-Lock key	FL75Z1
	Blank with ball bearing	FL78Z3AU
Spare Key	CL001	JVC0LSK
Padlockable swinghandle for elite		FL78Z1AU
Padlockable swinghandle for E-lock		FZ630AU1
Wall mounting bracket kit	4 pieces	FL85Z
Document holder	Adhesive backed	JK2X007AU
Keylock - 1/4 turn 92268	for extension box	JPA0LXT9
N & E link kit	for extension box	JPA0EXTNE
Mounting pan	for extension box	JPA0EXTMP

Description

Protection and control of circuits against overloads and short-circuits by isolating the circuit according to AS/NZS 3000:2018. The colour of the toggle on the MSNx63R gives a differentiation when used as a main switch device.

Technical data

- AS/NZS 60898
- Tripping curve - 'C' magnetic setting between 5 and 10x I_n
- Breaking capacity: 6,000A
- Voltage rating: 240/415V AC
- Not for use on DC
- Current rating: 6 to 63A
- Bi-connect terminals enable supply from either cables in the cage or busbars in the slot.

Connection capacity

- 25mm² rigid
- 16mm² flexible

Accessories for MSN3xx

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121, Bx163



Single pole



Current Rating (A)	Width	Pack Qty	Cat ref.
6	1 mod	12	MSN106
10	1 mod	12	MSN110
13	1 mod	12	MSN113
16	1 mod	12	MSN116
20	1 mod	12	MSN120
25	1 mod	12	MSN125
32	1 mod	12	MSN132
40	1 mod	12	MSN140
50	1 mod	12	MSN150
63	1 mod	12	MSN163
63	1 mod	12	MSN163R



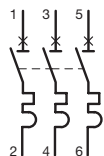
Double pole



Current Rating (A)	Width	Pack Qty	Cat ref.
6	2 mod	6	MSN206
10	2 mod	6	MSN210
16	2 mod	6	MSN216
20	2 mod	6	MSN220
25	2 mod	6	MSN225
32	2 mod	6	MSN232
40	2 mod	6	MSN240
50	2 mod	6	MSN250
63	2 mod	6	MSN263
63	2 mod	6	MSN263R



Triple pole



Current Rating (A)	Width	Pack Qty	Cat ref.
6	3 mod	4	MSN306
10	3 mod	4	MSN310
16	3 mod	4	MSN316
20	3 mod	4	MSN320
25	3 mod	4	MSN325
32	3 mod	4	MSN332
40	3 mod	4	MSN340
50	3 mod	4	MSN350
63	3 mod	4	MSN363
63	3 mod	4	MSN363R





Description

Protection and control of circuits against overloads and short-circuits by isolating the circuit according to AS/NZS 3000:2018. The colour of the toggle on the MDNx63R gives a differentiation when used as a service protection device.

Technical data

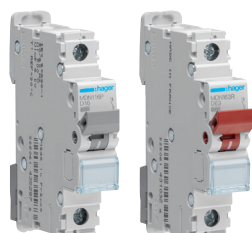
- AS/NZS 60898
- Tripping curve - 'D' magnetic setting between 10 and 20In
- Breaking capacity: 6,000A
- Voltage rating: 240/415V AC
- Not for use on DC
- Current rating: 6 to 63A
- Bi-connect terminals enable supply from either cables in the cage or busbars in the slot.

Connection capacity

- 25mm² rigid
- 16mm² flexible

Accessories for MDNxxx

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121, Bx163T



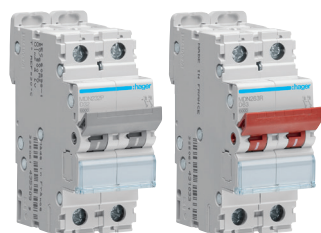
MDN116P

MDN163R

Single pole



Current Rating (A)	Width	Pack Qty	Cat ref.
6	1 mod	12	MDN106P
10	1 mod	12	MDN110P
16	1 mod	12	MDN116P
20	1 mod	12	MDN120P
25	1 mod	12	MDN125P
32	1 mod	12	MDN132P
40	1 mod	12	MDN140P
50	1 mod	12	MDN150P
63	1 mod	12	MDN163P
63	1 mod	12	MDN163R



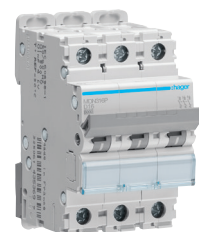
MDN232P

MDN263R

Double pole

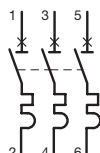


Current Rating (A)	Width	Pack Qty	Cat ref.
6	2 mod	6	MDN206P
10	2 mod	6	MDN210P
16	2 mod	6	MDN216P
20	2 mod	6	MDN220P
25	2 mod	6	MDN225P
32	2 mod	6	MDN232P
40	2 mod	6	MDN240P
50	2 mod	6	MDN250P
63	2 mod	6	MDN263P
63	2 mod	6	MDN263R

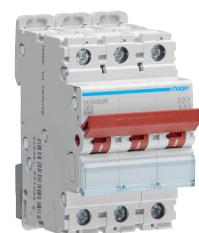


MDN316P

Triple pole



Current Rating (A)	Width	Pack Qty	Cat ref.
6	3 mod	4	MDN306P
10	3 mod	4	MDN310P
16	3 mod	4	MDN316P
20	3 mod	4	MDN320P
25	3 mod	4	MDN325P
32	3 mod	4	MDN332P
40	3 mod	4	MDN340P
50	3 mod	4	MDN350P
63	3 mod	4	MDN363P
63	3 mod	4	MDN363R



MDN316R

Description

Protection and control of circuits against overloads and short-circuits in commercial and industrial installations.

Technical data

- Conforms with IEC 60898-1, 60947-2 and AS/NZS 60898
- Tripping curve - 'C' magnetic setting between 5 and 10In
- Breaking capacity: 10,000A
- Voltage rating: 230/400V AC
- Current rating: 2 to 63A

Connection capacity

- 25mm² rigid
- 16mm² flexible

Accessories

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121



Single pole



Current Rating (A)	Width	Pack Qty	Cat ref.
2	1 mod	12	NT102C
4	1 mod	12	NT104C
6	1 mod	12	NT106C
10	1 mod	12	NT110C
16	1 mod	12	NT116C
20	1 mod	12	NT120C
25	1 mod	12	NT125C
32	1 mod	12	NT132C
40	1 mod	12	NT140C
50	1 mod	12	NT150C
63	1 mod	12	NT163C



NT110C

Double pole

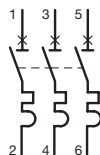


Current Rating (A)	Width	Pack Qty	Cat ref.
2	2 mod	6	NT202C
4	2 mod	6	NT204C
6	2 mod	6	NT206C
10	2 mod	6	NT210C
16	2 mod	6	NT216C
20	2 mod	6	NT220C
25	2 mod	6	NT225C
32	2 mod	6	NT232C
40	2 mod	6	NT240C
50	2 mod	6	NT250C
63	2 mod	6	NT263C



NT216C

Triple pole



Current Rating (A)	Width	Pack Qty	Cat ref.
2	3 mod	4	NT302C
4	3 mod	4	NT304C
6	3 mod	4	NT306C
10	3 mod	4	NT310C
16	3 mod	4	NT316C
20	3 mod	4	NT320C
25	3 mod	4	NT325C
32	3 mod	4	NT332C
40	3 mod	4	NT340C
50	3 mod	4	NT350C
63	3 mod	4	NT363C



NT304C



Description

Protection and control of circuits against overloads and short-circuits in commercial and light industrial installations. Can also be used as a main switch device.

Technical data

- Conforms with IEC 60898-1, 60947-2 and AS/NZS 60898
- Tripping curve - 'D' magnetic setting between 10 and 20In
- Breaking capacity: 10,000A
- Voltage rating: 230/400V AC
- Current rating: 6 to 63A

Connection capacity

- 35mm² rigid
- 25mm² flexible

Accessories

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121



NDN116A

Single pole



Current rating (a)	Width in 17.5mm	Pack qty	Cat ref.
6	1	12	NDN106A
10	1	12	NDN110A
16	1	12	NDN116A
20	1	12	NDN120A
25	1	12	NDN125A
32	1	12	NDN132A
40	1	12	NDN140A
50	1	12	NDN150A
63	1	12	NDN163A



NDN232A

Double pole

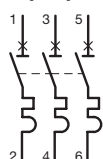


Current rating (a)	Width in 17.5mm	Pack qty	Cat ref.
6	2	6	NDN206A
10	2	6	NDN210A
16	2	6	NDN216A
20	2	6	NDN220A
25	2	6	NDN225A
32	2	6	NDN232A
40	2	6	NDN240A
50	2	6	NDN250A
63	2	6	NDN263A



NDN316A

Triple pole

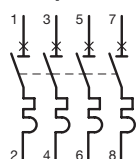


Current rating (a)	Width in 17.5mm	Pack qty	Cat ref.
6	3	4	NDN306A
10	3	4	NDN310A
16	3	4	NDN316A
20	3	4	NDN320A
25	3	4	NDN325A
32	3	4	NDN332A
40	3	4	NDN340A
50	3	4	NDN350A
63	3	4	NDN363A



NDN432A

Four pole



Current rating (a)	Width in 17.5mm	Pack qty	Cat ref.
6	4	3	NDN406A
10	4	3	NDN410A
16	4	3	NDN416A
20	4	3	NDN420A
25	4	3	NDN425A
32	4	3	NDN432A
40	4	3	NDN440A
50	4	3	NDN450A
63	4	3	NDN463A

Description

Protection and control of circuits against overloads and short-circuits in commercial and industrial installations.

Technical data

- Conforms with IEC 60898-1, 60947-2 and AS/NZS 60898
- Tripping curve - 'C' magnetic setting between 5 and 10In
- Breaking capacity: 10,000A
- Voltage rating: 230/400V AC
- Current rating: 80 to 125A

Connection capacity

- 70mm² rigid
- 35mm² flexible

Accessories

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121



Single pole



In / A	Width	Cat ref.
80	1.5	HMF180T
100	1.5	HMF190T
125	1.5	HMF199T



HMF199T

Double pole

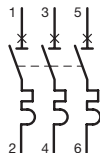


In / A	Width	Cat ref.
80	3	HMF280T
100	3	HMF290T
125	3	HMF299T



HMF299T

Triple pole



In / A	Width	Cat ref.
80	4.5	HMF380T
100	4.5	HMF390T
125	4.5	HMF399T



HMF399T



Description

Compact combination devices which provide MCB overcurrent protection & earth leakage protection. The Type A devices, some with line neutral switched, are available with various current ratings ranging from 6A - 50A. Specifically designed for DIN rail enclosures - Except the 1P RCBOs which fit in perfoma panelboards.

Features

- IEC 61009.1 & AS/NZS 61009.1
- Earth fault indication window (except for 1mod RCBOs)
- ACA5xxT is Type 1 according to AS/NZS 3190
- ACA1xxT and AC1xxB are general type, not for patient areas according to AS/NZS 3190

Connection capacity

- 16mm² flexible
- 25mm² rigid

Accessories

- Toggle locking device - MZN175

Accessories -

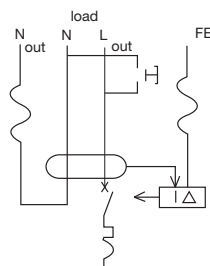
2 mod devices only

- MZ201, MZ202, MZ203, MZ204, MZ206



ACC232T

RCBO 1P 6kA Type A C curve

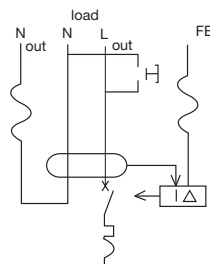


Current rating (A)	Residual current I _{dn}	Module(s)	Width (mm)		Cat ref.
6A	10mA	1 mod	17.5	× ACA106T	→ ★ ACC206T
10A	10mA	1 mod	17.5	× ACA110T	→ ★ ACC210T
16A	10mA	1 mod	17.5	× ACA116T	→ ★ ACC216T
20A	10mA	1 mod	17.5	× ACA120T	→ ★ ACC220T
25A	10mA	1 mod	17.5	× ACA125T	→ ★ ACC225T
32A	10mA	1 mod	17.5	× ACA132T	→ ★ ACC232T
6A	30mA	1 mod	17.5	× ADA106T	→ ★ ADC206T
10A	30mA	1 mod	17.5	× ADA110T	→ ★ ADC210T
16A	30mA	1 mod	17.5	× ADA116T	→ ★ ADC216T
20A	30mA	1 mod	17.5	× ADA120T	→ ★ ADC220T
25A	30mA	1 mod	17.5	× ADA125T	→ ★ ADC225T
32A	30mA	1 mod	17.5	× ADA132T	→ ★ ADC232T
40A	30mA	1 mod	17.5	× ADA140T	→ ★ ADC240T
45A	30mA	1 mod	17.5	× ADA145T	→ ★ ADC245T
50A	30mA	1 mod	17.5		★ ADC250T



ACA232B

RCBO 1P 10kA Type A C curve



Current rating (A)	Residual current I _{dn}	Module(s)	Width (mm)		Cat ref.
6A	10mA	1 mod	17.5	× AC106B	→ ★ ACA206B
10A	10mA	1 mod	17.5	× AC110B	→ ★ ACA210B
16A	10mA	1 mod	17.5	× AC116B	→ ★ ACA216B
20A	10mA	1 mod	17.5	× AC120B	→ ★ ACA220B
25A	10mA	1 mod	17.5	× AC125B	→ ★ ACA225B
32A	10mA	1 mod	17.5	× AC132B	→ ★ ACA232B
6A	30mA	1 mod	17.5	× AD106B	→ ★ ADC206B
10A	30mA	1 mod	17.5	× AD110B	→ ★ ADC210B
16A	30mA	1 mod	17.5	× AD116B	→ ★ ADC216B
20A	30mA	1 mod	17.5	× AD120B	→ ★ ADC220B
25A	30mA	1 mod	17.5	× AD125B	→ ★ ADC225B
32A	30mA	1 mod	17.5	× AD132B	→ ★ ADC232B
40A	30mA	1 mod	17.5		★ ADC240B
45A	30mA	1 mod	17.5		★ ADC245B
50A	30mA	1 mod	17.5		★ ADC250B



Description

Compact combination devices which provide MCB overcurrent protection & earth leakage protection. The Type A devices, some with line neutral switched, are available with various current ratings ranging from 6A - 50A. Specifically designed for DIN rail enclosures - Except the 1P RCBOs which fit in perfoma panelboards.

Features

- IEC 61009.1 & AS/NZS 61009.1
- Earth fault indication window (except for 1mod RCBOs)
- ACA5xxT is Type 1 according to AS/NZS 3190
- ACA1xxT and AC1xxB are general type, not for patient areas according to AS/NZS 3190

Connection capacity

- 16mm² flexible
- 25mm² rigid

Accessories

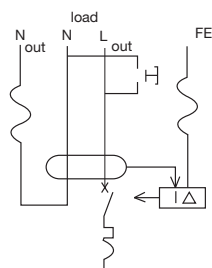
- Toggle locking device - MZN175

Accessories -

2 mod devices only

- MZ201, MZ202, MZ203, MZ204, MZ206

RCBO 1P 10kA Type A D curve



Current rating (A)	Residual current I _{dn}	Module(s)	Width (mm)	Cat ref.
6A	30mA	1 mod	17.5	★ ADD206B
10A	30mA	1 mod	17.5	★ ADD210B
16A	30mA	1 mod	17.5	★ ADD216B
20A	30mA	1 mod	17.5	★ ADD220B
25A	30mA	1 mod	17.5	★ ADD225B
32A	30mA	1 mod	17.5	★ ADD232B
6A	100mA	1 mod	17.5	★ AED206B
10A	100mA	1 mod	17.5	★ AED210B
16A	100mA	1 mod	17.5	★ AED216B
20A	100mA	1 mod	17.5	★ AED220B
25A	100mA	1 mod	17.5	★ AED225B
32A	100mA	1 mod	17.5	★ AED232B



ADD206B

Modular protection devices

RCBOs 4PP 6kA & 10kA 'C' curve

Description

Compact combination devices which provide MCB overcurrent protection & earth leakage protection. The Type A devices, some with line neutral switched, are available with various current ratings ranging from 6A - 45A.

Suitable for DIN rail mount only.

Features

- IEC 61009.1 & AS/NZS 61009.1
- Earth fault indication window
- Trip free mechanisms

Connection capacity

- 16mm² flexible
- 25mm² rigid

Accessories 4 mod devices only

- MZ201, MZ202, MZ203, MZ204, MZ206, MZN175

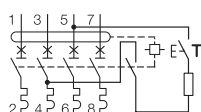


ADM413T



AEM420T

RCBO 4PP 6kA Type A, C curve



Current rating (A)	Width	Residual current I _{dn}	Cat ref.
6A	4 mod	30mA	ADM406T
10A	4 mod	30mA	ADM410T
13A	4 mod	30mA	ADM413T
16A	4 mod	30mA	ADM416T
20A	4 mod	30mA	ADM420T
25A	4 mod	30mA	ADM425T
32A	4 mod	30mA	ADM432T
40A	4 mod	30mA	ADM440T

6A	4 mod	100mA	AEM406T
10A	4 mod	100mA	AEM410T
13A	4 mod	100mA	AEM413T
16A	4 mod	100mA	AEM416T
20A	4 mod	100mA	AEM420T
25A	4 mod	100mA	AEM425T
32A	4 mod	100mA	AEM432T
40A	4 mod	100mA	AEM440T

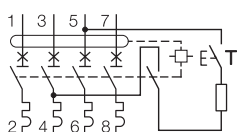


ADX413T



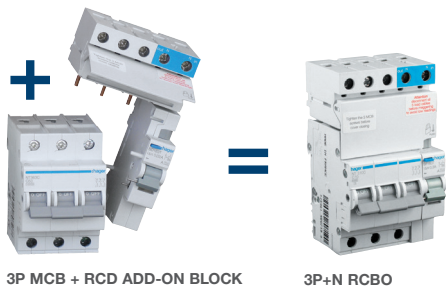
AEX420T

RCBO 4PP 10kA Type A C curve



Current rating (A)	Width	Residual current I _{dn}	Cat ref.
6A	4 mod	30mA	ADX406T
10A	4 mod	30mA	ADX410T
13A	4 mod	30mA	ADX413T
16A	4 mod	30mA	ADX416T
20A	4 mod	30mA	ADX420T
25A	4 mod	30mA	ADX425T
32A	4 mod	30mA	ADX432T
40A	4 mod	30mA	ADX440T

6A	4 mod	100mA	AEX406T
10A	4 mod	100mA	AEX410T
13A	4 mod	100mA	AEX413T
16A	4 mod	100mA	AEX416T
20A	4 mod	100mA	AEX420T
25A	4 mod	100mA	AEX425T
32A	4 mod	100mA	AEX432T
40A	4 mod	100mA	AEX440T



3P MCB + RCD ADD-ON BLOCK

3P+N RCBO

Features

The compact one module wide Add-On Block (AOB) can be used in combination with any Hager 3P MCB up to 63A.

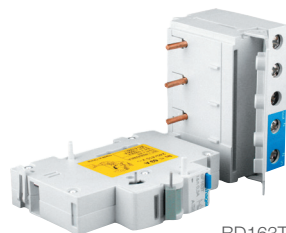
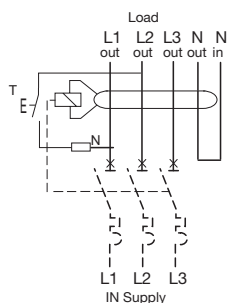
The RCD Add-On Block + MCB provides the protective characteristics of both devices, thereby protecting the panelboard's entire circuit and removing the need to wire between DIN mounted RCD & MCB.

This results in a significant reduction of time, labour & the size & cost of integrated RCD socket outlets.

Conforms with IEC 61008-1 and AS/NZS 61008.1 when used with a Hager MCB.

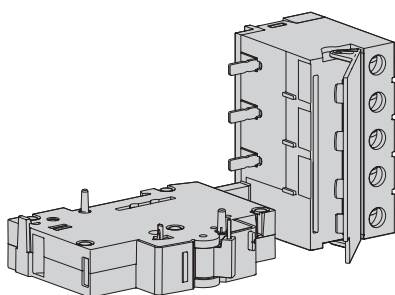
One Module Add-On Block

Description	Characteristics	Cat. ref.
3 phase earth leakage protection Up to 63A	30mA	BD163T
	100mA	BE163T
	300mA	BF163T



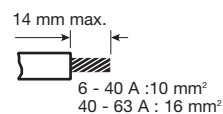
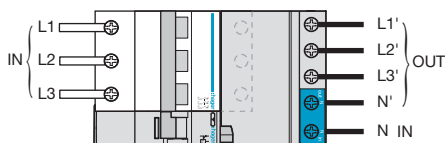
BD163T

Technical Information:

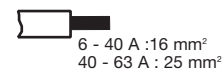
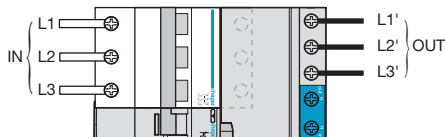


Electrical connection

3Ph + N



3Ph



Description

Energy meters measure the active energy used in an electric installation. They can monitor the detailed consumption within an installation to provide the consumption data between different appliances and circuits. Not suitable for billing. Not approved with NMI.

Technical data

- Fully compliant with EN50470-3
- Class B
- Accuracy 1%
- Energy readout: 7 digits
- Backlit display
- Indication of instantaneous power consumption
- Total/partial counter
- Measures Active/Reactive/ Apparent power, voltage,

- current and power factor
- Unlimited saving of measurements
- LED flashing according to consumption
- Display indication in case of incorrect wiring
- Will not reset if power is turned off. The device will hold its memory.
- Pulse and Modbus communication



ECN140D



ECR180T

Single phase

Description	Characteristics	Width	Cat ref.
- Direct reading 40A	Voltage: 230V AC 45/65Hz Starting current: 20mA Base current: 5A Maximum current: 40A	1 mod	ECN140D
- Direct reading 40A (MID) - Pulsed output	Voltage: 230V AC 45/65Hz Starting current: 20mA Base current: 5A Maximum current: 40A	1 mod	ECP140D
- Direct reading 80A - Pulsed output	Voltage: 230V AC 92/276Hz Starting current: 15mA Base current: 5A Maximum current: 80A	2 mod	ECP180D
- Direct reading 80A (x3 measurement points) - Pulsed output	Voltage: 230V AC 184/276Hz Starting current: 15mA Base current: 5A Maximum current: 80A	4 mod	ECP180T
- Direct reading 40A (MID) - Modbus output	Voltage: 230V AC 45/65Hz Starting current: 20mA Base current: 5A Maximum current: 40A	1 mod	ECR140D
- Direct reading 80A - Modbus output	Voltage: 230V AC 92/276Hz Starting current: 15mA Base current: 5A Maximum current: 80A	2 mod	ECR180D
- Direct reading 80A (x3 measurement points) - Modbus output	Voltage: 230V AC 184/276Hz Starting current: 15mA Base current: 5A Maximum current: 80A	4 mod	ECR180T



ECP310D

Three phase

Description	Characteristics	Width	Cat ref.
- Indirect reading 1/5 A - Pulsed output	Voltage: 400V AC 45/65Hz Starting current: 1mA Base current: 1(6) A Maximum current: 6A	4 mod	ECP300C
- Direct reading 125A - Pulsed output	Voltage: 400V AC 45/65Hz Starting current: 20mA Base current: 5A Maximum current: 125A	6 mod	ECP310D
- Direct reading 80A - Pulsed output	Voltage: 400V AC 45/65Hz Starting current: 15mA Base current: 5A Maximum current: 80A	4 mod	ECP380D
- Indirect reading 1/5A - Modbus output	Voltage: 400V AC 45/65Hz Starting current: 1mA Base current: 1(6) A Maximum current: 6A	4 mod	ECR300C
- Direct reading 125A - Modbus output	Voltage: 400V AC 45/65Hz Starting current: 20mA Base current: 5A Maximum current: 125A	6 mod	ECR310D
- Direct reading 80A - Modbus output	Voltage: 400V AC 45/65Hz Starting current: 15mA Base current: 5A Maximum current: 80A	4 mod	ECR380D



EC700

Pulse concentrator

Description	Width	Cat ref.
- Up to 7 separate pulse inputs - Total/partial energy (daily, weekly, monthly, yearly) - Direct reading on display - RS485 Jbus/modbus communication	4 mod	EC700

SM101C multimeter

For monitoring the electrical network: single, two or three phases (with or without neutral). Current transformers are not provided and are sold separately. This DIN mount device enables the display of electrical values as instantaneous, average or maximum (voltage and intensity per phase in RMS value). When monitoring of a power generator, it measures the frequency and working time. The SM101C digital multimeter displays the following instantaneous and max. values: I, U, V, F, P, PF, H, THD, E. It has a pulsed output and an RS485 Jbus/Modbus communications capability.

SM10xE multimeters

SM102E & SM103E are panel mount digital multifunction energy meters suitable for electrical measurement in low voltage networks.

SM102E

provides instantaneous true RMS measurement

- Current (Instantaneous & maximum) via CT
- Power EP, EQ, ES and per phase
- Frequency
- Harmonics (THD up to 31)

Add on module

- RS485 Jbus/modbus RTU

SM103E

provides instantaneous true RMS measurement

- Current (Instantaneous & maximum) via CT
- Power EP, EQ, ES and per phase
- Frequency
- Harmonics (THD up to 51)
- Embedded webserver on TCP/IP add on module

Add on module

- RS485 Jbus/modbus RTU
- Memory card
- Ethernet

SM101C multimeter

Description	Width	Cat ref.
Voltage supply: 230/400V 50/60hz	4 mod	SM101C
Display voltage: 35-480V		
Accuracy: $\pm 0.5\%$		
Consumption: $<0.5VA$		
Display current: Via CT		
Primary 5-8000A		
Secondary 0.1-6A		
Accuracy: $\pm 0.5\%$		
Consumption: $<0.5VA$		
Display frequency		
Range 40-80hz		
Accuracy: $\pm 2hz$		
Display hour counter:		
7 digits 999999.9		



SM101C

SM102E multimeter and add on module

Description	Characteristics	Cat ref.
Multifunction meter	Panel mount	SM102E
Add on modules	RS485 JBus/Modbus	SM210



SM102E

SM103E multimeter and add on modules

Description	Characteristics	Cat ref.
Multifunction meter	Panel mount	SM103E
Add on modules	Memory module	SM204
	RS485 JBus/Modbus	SM211
	Ethernet	SM213
	Ethernet + RS485 Jbus/Modbus	SM214



SM103E + SM211

Description

Current transformers are used to feed analogue and digital ammeters, as well as kWh meters. Their current on secondary circuit (0-5A) is proportional to the current on primary circuit class: 1

Features

- Can be mounted on copper busbar or on cable
- Can be mounted on DIN rail with adaptors
- Frequency: 50/60Hz



SRA00505

Current transformers (CT)

Ratio	Cat ref.
50/5	SRA00505
100/5	SRA01005
150/5	SRA01505
200/5	SRA02005
250/5	SRA02505
300/5	SRI03005
400/5	SRC04005
600/5	SRC06005
DIN rail mount for CTs	SRZH01

JKM01/JKM02

- 4 Module DIN rail mounting
- Single phase or 3 phase (4 wire) network balanced or unbalanced load
- Built-in energy pulse output and RS485 MODBUS communication
- High quality backlit LCD display
- 330mV current transformer input
- Active energy class 1 (EN62053-21)
- Reactive energy class 2 (EN62053-23)
- THD up to 31st harmonic for voltage and current
- 3-phase: 140...460Vac measured voltage
- Single phase: 80...265Vac measured voltage
- Self supplied auxiliary
- Programmable CT ratio 5...10,000A
- Programmable VT ratio
- Frequency 45/65Hz
- Selectable CT phase correction allows reversal of L1 and L3

Plug-In CTs

The CT uses plug-in technology allowing much faster installation saving you time and money. Additionally, all our three phase current transformers have been designed with hole centres and apertures to fit most standard industrial circuit breakers.

- Accuracy Class 1
- Housing Material Self extinguishing Nylon IEC185 classification VO according to UL-94
- Compliant to EN60044-8

HGR43

- Advanced net load type monitoring in Power and Lighting board applications
- Advanced Multi mode operation to suit orientation and load types being monitored in Distribution boards
- Simple mode of operation selection
- Energy pulse LED
- True RMS measurement
- High definition white backlit LCD display
- Modbus communication
- Four module DIN rail mounted

DIN Rail Meters

Description	Cat ref.
Multi-Function Meter Pulsed/Modbus Single Input	JKM01
Multi-Function Meter Pulsed/Modbus Dual Input For supply cable, see JF130VMF Note: No cables are supplied with these meters	JKM02
Three Phase DIN Rail Energy Meter Note: Only suitable for metering chassis when used with apex PLUS and elite IP66	★ HGR43-DAU



JKM01



HGR43-DAU

Plug-in CTs

No leads supplied with these CTs (RJ45 connection cable)

Description	Cat ref.
125A Frame Size 60A 3 Phase CT	EC1260CT
125A Frame Size 100A 3 Phase CT	EC12100CT
125A Frame Size 125A 3 Phase CT	EC12125CT
125A Frame Size 160A 3 Phase CT	EC12160CT
250A Frame Size 60A 3 Phase CT	EC2560CT
250A Frame Size 100A 3 Phase CT	EC25100CT
250A Frame Size 125A 3 Phase CT	EC25125CT
250A Frame Size 160A 3 Phase CT	EC25160CT
250A Frame Size 200A 3 Phase CT	EC25200CT
250A Frame Size 250A 3 Phase CT	EC25250CT
400A Frame Size 250A 3 Phase CT	EC40250CT
400A Frame Size 400A 3 Phase CT	EC40400CT
400A Frame Size 630A 3 Phase CT	EC40630CT
800A Frame Size 800A 3 Phase CT	EC80800CT
3 Phase CT	★ HGR183

Note: Used only with metering chassis in apex PLUS and standard elite



EC25250CT



HGR183

Meter Voltage Supply Cable

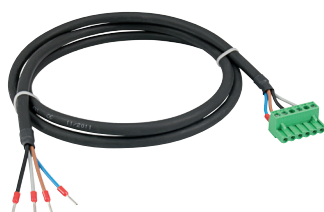
Our high quality Meter Voltage Supply Cables are fitted with a connector at one end and insulated bootlace ferrules at the other and provide power to the plug-in meter from your mains supply.

Meter to Meter Supply Cable

Our high quality Meter to Meter Voltage Supply Cables are fitted with a male connector at one end and female connector at the other. This allows multiple plug-in meters to be energised from a common supply. Up to 32 meters can be powered in a 'daisy chain' arrangement using this method. Two type of cable material are available:- LSZH (Low Smoke Zero Halogen).

RJ45 Connection Cable

The high quality low loss Category 5e RJ45 Connection Cable provides secondary connection between the plug-in current transformer and meter.



PGMF500

Meter Voltage Supply Cable - PVC - 1mm

Description	Cat ref.
0.30m - Hi Flex Voltage Supply Cable	PGMF300
0.50m - HHi Flex Voltage Supply Cable	PGMF500
1.00m - Hi Flex Voltage Supply Cable	PGMF1000
1.30m - Hi Flex Voltage Supply Cable	PGMF1300
2.00m - Hi Flex Voltage Supply Cable	PGMF2000



PGMFT500

Meter to Meter Supply Cable - PVC - 1mm

Description	Cat ref.
0.30m - Hi Flex Meter to Meter Supply Cable	PGMFT300
0.50m - Hi Flex Meter to Meter Supply Cable	PGMFT500
1.00m - Hi Flex Meter to Meter Supply Cable	PGMFT1000
1.30m - Hi Flex Meter to Meter Supply Cable	PGMFT1300
2.00m - Hi Flex Meter to Meter Supply Cable	PGMFT2000



PGRJ1000

RJ45 Connection Cable

Description	Cat ref.
0.30m - RJ45 Connector Cable 67 7003	PGRJ300
0.50m - RJ45 Connector Cable 67 L7005 LSZH	PGRJ500
1.00m - RJ45 Connector Cable 67 L7005 LSZH	PGRJ1000
1.50m - RJ45 Connector Cable 67 L7005 LSZH	PGRJ1500
2.00m - RJ45 Connector Cable 67 L7005 LSZH	PGRJ2000



PG9522FEMALE

Supply Voltage Connector Plugs

For those who want to make up their own power cable looms

Description	Cat ref.
Voltage IN (Male) Connector	PG9523MALE
Voltage OUT (Female) Connector	PG9522FEMALE



PG9523MALE

Description

The Hager Emergency Lighting Discharge Test Package has been developed to meet the needs of the electrical industry. In accordance with AS/NZS 2293.1, 'Emergency Evacuation Lighting for Buildings', a discharge test circuit MUST be installed in both existing and new installations for the purpose of testing the charge. The test facility must also be able to be manually reset.

Application

Hager's emergency lighting discharge test packages offer a convenient and versatile discharge test facility for maintenance of emergency lighting systems. This wired 'off-the-shelf' package may be mounted using the supplied enclosure where space in the switchboard is limited. It can also be installed in the Hager range of performance panelboards by taking advantage of the DIN rail area at the top of the switchboard.

Use and implementation

Upon engaging the Green push button for 1 second, the timer starts its operation and energises the contactor coil. The four normally closed contacts open, initiating operation of the emergency lights. The timer, to be set at 2hrs (for initial commissioning, 90mins thereafter), completes its operation, de-energising the contactor coil returning the contacts to the normally closed position. If the red push button is pressed the timer resets and is ready for the green push button to start the timing cycle again.

Emergency test packages wired

Description	Characteristics	Cat ref.
Emergency test package 1 - Wired in enclosure - For use as standalone	Includes: - 6 pole surface mount IP40 enclosure with a lockable door - 4 Pole 40A N/C Contactor - Push button 1N/O (green) + 1N/C (red) - Delay timer 0.1sec to 10hrs	EMERG1W
Emergency test package 2 - Wired in enclosure - For use as standalone	Includes: - 4 pole surface mount IP40 enclosure with a lockable door - 2 Pole 25A N/C Contactor - Push button 1N/O (green) + 1N/C (red) - Delay timer 0.1sec to 10hrs	EMERG2W
Emergency test package 3 - Wired without enclosure - For use in panelboards and/or other enclosures	Includes: - 4 Pole 40A N/C Contactor - Push button 1N/O (green) + 1N/C (red) - Delay timer 0.1sec to 10hrs	EMERG3W
Emergency test package 4 - Wired without enclosure - For use in panelboards and/or other enclosures	Includes: - 2 Pole 25A N/C Contactor - Push button 1N/O (green) + 1N/C (red) - Delay timer 0.1sec to 10hrs	EMERG4W



EMERG1W



EMERG3W

Description

Our SPBxxx devices protect electrical and electronic equipment against transients originating from lightning and switching sources. These transients can cause premature aging of equipment, logic failures and down time, to the complete destruction of electrical components.

Installation and connection

- Very Coarse, Coarse, Medium and Fine
- Spark Gap and MOV technology
- Single phase or Three phase
- TN-C or TN-S / TT
- Part numbers ending in 'R' have a contact to allow for wiring in alarm to indicate cartridge replacement.
- Part numbers ending in 'D' have no contact.
- Replacement NE & L-PE cartridges available

Note

- SPBxxx cartridges are not compatible with legacy SPNxxx products



SPA212A



SPA412A

Spark Gap

Category C3 (Type 1)

Description	Iimp kA	Up kV	Uc V	Width	Cat ref.
For areas where lightning is frequent. Test wave 10/350µs	12.5	≤2.5	255	4 mod	SPA212A
	12.5	≤2.5	255	8 mod	SPA412A

Both the SPA212A & SPA412A have dual earth and phase / neutral terminals. Devices are connected in both common and differential modes (L-E/NE/L-N) together with inbuilt auto protection up to 12.5kA.



SPB100R



SPB400R

Very Coarse

Category C2 (Type 2) - Supplied with remote contact

Description	iMax kA	In kA	Up kV	Uc V	Width	Cat ref.
Single phase						
SPD 1P T2 TNC 100kA Remote contact	100	40	2	320	1 mod	SPB100R
SPD 2P T2 TNS/TT 100kA Remote contact	100	40	2	320	2 mod	SPB200R
Three phase						
SPD 3P T2 TNC 100kA Remote contact	100	40	2	320	3 mod	SPB300R
SPD 4P T2 TNS/TT 100kA Remote contact	100	40	2	320	4 mod	SPB400R



SPB165R



SPB465R

Coarse

Category C2 (Type 2) - Supplied with remote contact

Description	Iimp kA	iMax kA	In kA	Up kV	Uc V	Width	Cat ref.
Single phase							
SPD 1P T2 TNC 65kA Remote contact	12.5	65	20	1.45	320	1 mod	SPB165R
SPD 2P T2 TNS/TT 65kA Remote contact	12.5	65	20	1.45	320	2 mod	SPB265R
Three phase							
SPD 3P T2 TNC 65kA Remote contact	12.5	65	20	1.45	320	3 mod	SPB365R
SPD 4P T2 TNS/TT 65kA Remote contact	12.5	65	20	1.45	320	4 mod	SPB465R

Description

Our SPBxxx devices protect electrical and electronic equipment against transients originating from lightning and switching sources. These transients can cause premature aging of equipment, logic failures and down time, to the complete destruction of electrical components.

Installation and connection

- Very Coarse, Coarse, Medium and Fine
- Spark Gap and MOV technology
- Single phase or Three phase
- TN-C or TN-S / TT
- Part numbers ending in 'R' have a contact to allow for wiring in alarm to indicate cartridge replacement.
- Part numbers ending in 'D' have no contact.
- Replacement L-N cartridges available

Note

- SPBxxxx cartridges are not compatible with legacy SPNxxxx products

Medium

Category B and C1 (Type 2)

Description	iMax kA	In kA	Up kV	Uc V	Width	Cat ref.
Single phase						
SPD 1P T2 TNC 40kA	40	20	1.35	275	1 mod	SPB140D
SPD 1P T2 TNC 40kA Remote contact	40	20	1.35	275	1 mod	SPB140R
SPD 2P T2 TNS/TT 40kA	40	20	1.35	275	2 mod	SPB240D
SPD 2P T2 TNS/TT 40kA Remote contact	40	20	1.35	275	2 mod	SPB240R
Three phase						
SPD 3P T2 TNC 40kA	40	20	1.35	275	3 mod	SPB340D
SPD 3P T2 TNC 40kA Remote contact	40	20	1.35	275	3 mod	SPB340R
SPD 4P T2 TNS/TT 40kA	40	20	1.35	275	4 mod	SPB440D
SPD 4P T2 TNS/TT 40kA Remote contact	40	20	1.35	275	4 mod	SPB440R



SPB140D



SPB440R

Fine

Category A (Type 2) - Supplied without remote contact

Description	iMax kA	In kA	Up kV	Uc V	Width	Cat ref.
Single phase						
SPD 2P TNS/TT 8 kA	8	2	0.9	275	2 mod	SPB208D
Three phase						
SPD 4P TNS/TT 8 kA	8	2	0.9	275	4 mod	SPB408D



SPB208D



SPB408D



Hager Electro Pty Ltd
Unit 17/2-8 South Street
Rydalmere NSW 2116
hagerelectro.com.au

Nationwide sales
Phone: 1300 850 253
Fax: 1300 424 372
Email: customerservice@hagerelectro.com.au

DISCLAIMER: Whilst every effort has been made to ensure the reliability of the information is correct at time of publication, Hager cannot guarantee the accuracy of all of the information contained herein. Changes/updates brought to the attention of Hager, once verified, will be corrected in future editions.