

MK SENTRY TP&N DISTRIBUTION SOLUTIONS



MK SENTRY TP&N DISTRIBUTION RANGE INTRODUCTION



The MK Sentry circuit protection product range has been in production for more than 40 years and through the license agreement its continued supply into the market is guaranteed.

The extensive range complies with the requirements of the wiring regulations and has the same full guarantee as previously received with the offering. The distribution boards are designed to be stylish and integrate with the environment.

In the product design the use of electrical safety is the first design concept with IP4X safety protection level and IK05 product collision protection level.

Manufactured from automotive steel including Akzo Nobel surface treatment, BASF flame retardant plastic materials and T2 copper rod stable temperature rise structure with damping hinge design creating a stylish appearance and excellent product performance.

ECOMMERCIAL & INDUSTRIAL INSTALLATIONS



ENCLOSURES

The empty enclosures enable specific configurations to suit required applications with the use of MCB's, RCD, RCBO, AFDD and SPD.



SUPPORTS LATEST BS7671:2018

Full range of products to support compliance with the latest edition of the Wiring Regulations, including full metal non-combustible enclosures.



GUARANTEE

All products are guaranteed for 10 years (excluding SPD and AFDD 5 years).
Offering all of the key products to complete an installation.





DISTRIBUTION BOARDS

4-16 way enclosures with and without incoming switch/RCD/Surge device.

- SECC automotive galvanized steel, with excellent corrosion resistance
- Akzo Nobel plastic powder, surface treatment provides outstanding longevity of aesthetic appearance
- Innovative robust hinge design and positioning allow, the door to be opened at an angle greater than 135°
- Internal components made of VO rated flame retardant plastic
- All products are CB, CE, UKCA certified



SWITCH DISCONNECTOR

Available as 100A and 125A (Category AC22A), in 3P and 4P.



RCD

Available as Type A, B and S. Current range of 63A-100A and tripping capacity 30-300mA. Breaking capacity 10kA.



MCB

MCB 1P, 2P and 3P. Available as B and C curve. Current range 6A-63A. Breaking capacity of 10kA.



RCBO

Available as B and C MCB curve, RCD Type A. Current range 6A-50A and tripping current 30mA. Breaking capacity 10kA.



SPD (SURGE)

Recommended for all low voltage electrical installations, to prevent the spread of over voltages in the electrical installations and protects the load.



AFDD

Available as B and C curve, with Type A RCD. Current range 6A-40A. Breaking capacity of 6kA.

FEATURES AND BENEFITS

Enclosures



**ALL ENCLOSURES SUPPLIED
WITH KEY OPERATED DOOR LOCK**



**ROBUST REINFORCED HINGE WITH
DAMPING ENSURES MAXIMUM
OPENING ANGLE (>135°)**

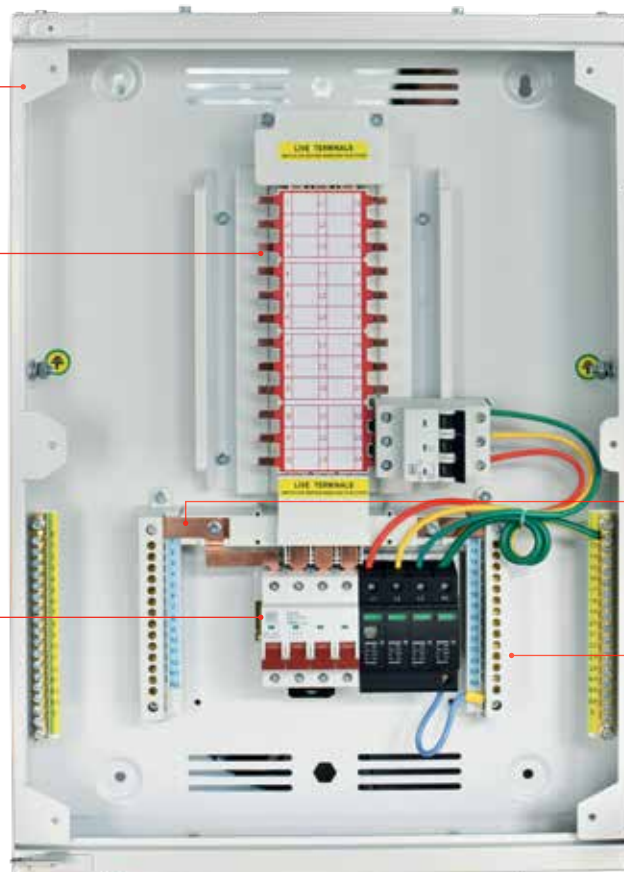


STRONG RIVETED COPPER BUSBAR



**SURGE PROTECTION DEVICE
MOUNTED BESIDE MAIN SWITCH**





**SHROUDED NEUTRAL
TERMINALS**



**STRONG RIVETED
COPPER BUSBAR**



**EXTENSION
BOARD**



TP&N Distribution Board

METAL
ENCLOSURE
SURFACE



PART NO.	DESCRIPTION
YT10004	4 WAY TP&N METAL ENCLOSURE
YT10008	8 WAY TP&N METAL ENCLOSURE
YT10012	12 WAY TP&N METAL ENCLOSURE
YT10016	16 WAY TP&N METAL ENCLOSURE
YT10020	4 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH
YT10021	8 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH
YT10022	12 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH
YT10023	16 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH
YT10024	4 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH & SURGE / 1x 32A B CURVE MCB
YT10025	8 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH & SURGE / 1x 32A B CURVE MCB
YT10026	12 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH & SURGE / 1x 32A B CURVE MCB
YT10027	16 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH & SURGE / 1x 32A B CURVE MCB
YT10028	4 WAY TP&N DISTRIBUTION BOARD 100A 30mA 4P TYPE A RCD
YT10029	8 WAY TP&N DISTRIBUTION BOARD 100A 30mA 4P TYPE A RCD
YT10030	12 WAY TP&N DISTRIBUTION BOARD 100A 30mA 4P TYPE A RCD
YT10031	16 WAY TP&N DISTRIBUTION BOARD 100A 30mA 4P TYPE A RCD
YT10032	4 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH / 100A 30mA 4P TYPE A RCD
YT10033	8 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH / 100A 30mA 4P TYPE A RCD
YT10034	12 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH / 100A 30mA 4P TYPE A RCD
YT10035	16 WAY TP&N DISTRIBUTION BOARD 125A 4P SWITCH / 100A 30mA 4P TYPE A RCD

DIMENSIONS:

	Width	Height	Depth		Width	Height	Depth
4 WAY	452	x	542	x	107mm	12 WAY	452 x 812 x 107mm
8 WAY	452	x	642	x	107mm	16 WAY	452 x 993 x 107mm

Extension Board

METAL
ENCLOSURE
SURFACE



PART NO.	DESCRIPTION
YT10001	TP&N EXTENSION BOARD
YT10036	TP&N EXTENSION BOARD 125A 4P SWITCH
YT10037	TP&N EXTENSION BOARD 125A 4P SWITCH & SURGE / 1x 32A B CURVE MCB

DIMENSIONS:

Width	Height	Depth
452	x	354 x 107mm



Switch Disconnectors

FOUR MODULE



PART NO.	DESCRIPTION
H5125s	125A 400V 4 POLE
H5525s	125A 400V 3 POLE
H5400s	100A 400V 4 POLE

DIMENSIONS:

	Width		Height		Depth
3 MODULE	72	x	54	x	87mm
4 MODULE	72	x	72	x	87mm

CABLE
CAPACITY: 50mm²

Surge Device

FOUR MODULE



PART NO.	DESCRIPTION
HA5001	Surge protection device Type 2
H6820S-1	Neutral replacement cartridge
H6820S-2	Line replacement cartridge
HA5004	Surge protection device with 3P 32A MCB

DIMENSIONS:

	Width		Height		Depth
3 MODULE	72	x	54	x	87mm
4 MODULE	72	x	72	x	87mm

CABLE
CAPACITY: 50mm²

MCBs Single Pole 10kA

B CURVE ONE MODULE



PART NO.	DESCRIPTION
H5972s	6A 230V
H5973s	10A 230V
H5974s	16A 230V
H5975s	20A 230V
H5976s	25A 230V
H5977s	32A 230V
H5978s	40A 230V
H5979s	50A 230V
HA2001	63A 230V

MCBs Single Pole 10kA

C CURVE ONE MODULE



PART NO.	DESCRIPTION
H8772s	6A 230V
H8773s	10A 230V
H8774s	16A 230V
H8775s	20A 230V
H8776s	25A 230V
H8777s	32A 230V
H8778s	40A 230V
H8779s	50A 230V
HA2002	63A 230V

DIMENSIONS:	83 x 18 x 67mm
CABLE CAPACITY:	25mm ²
BREAKING CAPACITY:	10kA



MCBs Double Pole 10kA

B CURVE
TWO MODULE



PART NO.	DESCRIPTION
HA2012	6A 230V/400V
HA2013	10A 230V/400V
HA2014	16A 230V/400V
HA2015	20A 230V/400V
HA2016	25A 230V/400V
HA2017	32A 230V/400V
HA2018	40A 230V/400V
HA2019	50A 230V/400V
HA2020	63A 230V/400V

MCBs Triple Pole 10kA

B CURVE
THREE MODULE



PART NO.	DESCRIPTION
HA2039	6A 230V/400V
HA2040	10A 230V/400V
HA2041	16A 230V/400V
HA2042	20A 230V/400V
HA2043	25A 230V/400V
HA2044	32A 230V/400V
HA2045	40A 230V/400V
HA2046	50A 230V/400V
HA2047	63A 230V/400V

MCBs Double Pole 10kA

C CURVE
TWO MODULE



PART NO.	DESCRIPTION
HA2021	6A 230V/400V
HA2022	10A 230V/400V
HA2023	16A 230V/400V
HA2024	20A 230V/400V
HA2025	25A 230V/400V
HA2026	32A 230V/400V
HA2027	40A 230V/400V
HA2028	50A 230V/400V

MCBs Triple Pole 10kA

C CURVE
THREE MODULE



PART NO.	DESCRIPTION
HA2048	6A 230V/400V
HA2049	10A 230V/400V
HA2050	16A 230V/400V
HA2051	20A 230V/400V
HA2052	25A 230V/400V
HA2053	32A 230V/400V
HA2054	40A 230V/400V
HA2055	50A 230V/400V
HA2029	63A 230V/400V

DIMENSIONS:	83 x 36 x 67mm
CABLE CAPACITY:	25mm ²
BREAKING CAPACITY:	10kA

DIMENSIONS:	83 x 54 x 67mm
CABLE CAPACITY:	25mm ²
BREAKING CAPACITY:	10kA

RCBOs Single Pole 10kA

B CURVE
ONE MODULE



PART NO.	DESCRIPTION
H7732s	6A 230V, 30mA Tripping Current
H7733s	10A 230V, 30mA Tripping Current
H7734s	16A 230V, 30mA Tripping Current
H7735s	20A 230V, 30mA Tripping Current
HA9007	25A 230V, 30mA Tripping Current
H7736s	32A 230V, 30mA Tripping Current
H7737s	40A 230V, 30mA Tripping Current
H7738s	50A 230V, 30mA Tripping Current

RCBOs Single Pole 10kA

C CURVE
ONE MODULE



PART NO.	DESCRIPTION
H7740s	6A 230V, 30mA Tripping Current
H7741s	10A 230V, 30mA Tripping Current
H7742s	16A 230V, 30mA Tripping Current
H7743s	20A 230V, 30mA Tripping Current
HA9008	25A 230V, 30mA Tripping Current
H7744s	32A 230V, 30mA Tripping Current
H7745s	40A 230V, 30mA Tripping Current
H7746s	50A 230V, 30mA Tripping Current

DIMENSIONS:	114 x 18 x 67mm
CABLE CAPACITY:	Live in 25mm ² Neutral in 25mm ² Live out 10mm ² Neutral out 10mm ²
BREAKING CAPACITY:	10kA

AFDDs Double Pole 6kA Type A

B CURVE
ONE MODULE



PART NO.	DESCRIPTION
H4406s	6A 230V, 30mA Tripping Current
H4410s	10A 230V, 30mA Tripping Current
H4416s	16A 230V, 30mA Tripping Current
H4420s	20A 230V, 30mA Tripping Current
H4432s	32A 230V, 30mA Tripping Current
H4440s	40A 230V, 30mA Tripping Current

C CURVE
ONE MODULE



PART NO.	DESCRIPTION
H4506s	6A 230V, 30mA Tripping Current
H4510s	10A 230V, 30mA Tripping Current
H4516s	16A 230V, 30mA Tripping Current
H4520s	20A 230V, 30mA Tripping Current
H4532s	32A 230V, 30mA Tripping Current
H4540s	40A 230V, 30mA Tripping Current

DIMENSIONS:	116 x 18 x 67mm
CABLE CAPACITY:	Live in 25mm ² Live Out 10mm ² Neutral Out 10mm ²
BREAKING CAPACITY:	6kA



RCD 4 Pole 10kA TYPE A

FOUR MODULE



PART NO.	DESCRIPTION
H6663s	63A 230, 400V 30mA Tripping Current
HA3019	80A 230, 400V 30mA Tripping Current
HA3025	100A 230, 400V 30mA Tripping Current
HA3026	100A 230, 400V 30mA Tripping Current
HA3027	100A 230, 400V 30mA Tripping Current

RCD 4 Pole 10kA TYPE B

FOUR MODULE



PART NO.	DESCRIPTION
H30345s	63A 230, 400V 30mA Tripping Current

DIMENSIONS:	83 x 72 x 67mm
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Contactors One Pole

ONE MODULE



PART NO.	DESCRIPTION
HA8001	25A N/O 230/450V 2

DIMENSIONS:	85 x 18 x 68mm
CABLE CAPACITY:	1.5 - 2.5mm ²

Contactors Two Pole

TWO MODULE



PART NO.	DESCRIPTION
HA8002	25A N/O 230/450V 1

DIMENSIONS:	85 x 36 x 68mm
CABLE CAPACITY:	6-25mm ²

Contactors Three Pole

FOUR MODULE



PART NO.	DESCRIPTION
HA8003	25A N/O 230/450V 3 POLE
HA8006	63A N/O 230/450V 3 POLE

DIMENSIONS:	85 x 54 x 68mm
CABLE CAPACITY:	1.5-2.5mm ² , 6-25mm ²



Contactors Four Pole

FOUR MODULE



PART NO.	DESCRIPTION
HA8007	63A N/O 230/450V 4 POLE

DIMENSIONS: 81 x 72 x 68mm

CABLE CAPACITY: 6-25mm²

Connectors

TWO MODULE



PART NO.	DESCRIPTION
HA7005	100A 2 POLE
HA7008	125A 2 POLE

DIMENSIONS: 85 x 36 x 68mm

CABLE CAPACITY: 25mm²

THREE MODULE



PART NO.	DESCRIPTION
HA7006	100A 3 POLE
HA7009	125A 3 POLE

DIMENSIONS: 85 x 54 x 68mm

CABLE CAPACITY: 25mm²

FOUR MODULE



PART NO.	DESCRIPTION
HA7007	100A 4 POLE
HA7010	125A 4 POLE

DIMENSIONS: 85 x 72 x 68mm

CABLE CAPACITY: 25mm²

Accessories



PART NO.	DESCRIPTION
HA7012	BUSBAR END CAPS



PART NO.	DESCRIPTION
HA7013	SINGLE PHASE FORK 125A



PART NO.	DESCRIPTION
HA7001	DIN RAL MOUNTED BLANK



PART NO.	DESCRIPTION
HA7011	METAL BLANK



PART NO.	DESCRIPTION
H5545SWHI	ABS BLANK





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