

## Loadline MCCB YA5 Frame

### Main Features

- Exceeds the requirements of EN 60947-2
- Thermal/magnetic MCCBs have adjustable long time and instantaneous trip functions
- Long time overload adjusts to  $1 \times I_n$ ,  $0.8 \times I_n$  and  $0.63 \times I_n$  for thermal / magnetic devices
- Long time overload adjusts between  $1 \times I_n$  and  $0.4 \times I_n$  for electronic devices
- Electronic MCCBs have adjustable long time, short time and instantaneous trip functions
- Electronic MCCBs are utilisation category B and are specifically intended for discrimination
- Ultimate breaking capacities are 25kA, 50kA, 65kA and 70kA electronic at 415V AC
- Maximum cable termination is 240mm<sup>2</sup> with cable clamps (optional accessory)
- Maximum cable termination is 185mm<sup>2</sup> with M10 reduced palm width cable lugs
- Rated insulation voltage is 800V AC (Ui)
- Extension terminals should be ordered separately if required
- Standard cable termination is 95mm<sup>2</sup> with M10 lugs

Current Rating (A)		3-pole Product Code	4-pole Product Code
Max (A)	Min (A)		
<b>Switch Disconnector</b>			
400	-	YA5B3P400D	YA5B4P400D
<b>YA5 Frame MCCB Thermal / Magnetic - Icu 25kA</b>			
250	157	YA5N3P250T	YA5N4P250T
400	252	YA5N3P400T	YA5N4P400T
<b>YA5 Frame MCCB Thermal / Magnetic - Icu 50kA</b>			
250	157	YA5H3P250T	YA5H4P250T
400	252	YA5H3P400T	YA5H4P400T
<b>YA5 Frame MCCB Thermal / Magnetic - Icu 65kA</b>			
250	157	YA5J3P250T	YA5J4P250T
400	252	YA5J3P400T	YA5J4P400T
<b>YA5 Frame MCCB Electronic - Icu 70kA</b>			
250	100	YA5K3P250E	YA5K4P250E
400	160	YA5K3P400E	YA5K4P400E



## Loadline MCCB YA5 Frame enclosure

### Main features

- To house YA5 MCCB up to 400A with metering facility
- Enclosure allows for DIN-rail multi-function meter and/or earth leakage device (ELRP/S-24/240)
- 3-in-1 and core balanced current transformers integrally housed.
- Meets the requirements of EN 60947-2 and EN 61439-1
- IP3X Ingress protection
- Height = 843.2mm, Width = 360mm and Depth = 157.50mm
- Metering achieved via meter mounting plate LLGPMP

Description	Product Code	Matching CT
YA5 MCCB enclosure	LLGPYA5	N/A
Meter mounting plate	LLGPMP	N/A
DIN-rail multi-function meter with pulse and Modbus	MD1	RI-CT248-EW Range
Earth Leakage Relay Device	ELRP/S-24/240	CBT-94F-070
Neutral Link (if required)	YA5NL	N/A



## Loadline MCCB YA5 Frame accessories



Description	3 pole Product Code	4 pole Product Code
<b>Cable Clamps</b>		
YA5 Cable clamps set	YA5CC3P	YA5CC4P
<b>Terminals and Protection</b>		
YA5 Terminal shroud for spread type extension terminals and cable lugs	YA5TS3P	YA5TS4P
YA5 Interphase barrier (1 off)	YA5TB	YA5TB
YA5 Terminal cover for cable clamps	YA5TC3P	YA5TC4P
YA5 Rear terminals	YA5RT3P	YA5RT4P
YA5 Spread type extension terminals	YA5XT3P	YA5XT4P
<b>Plug-in Units</b>		
YA5 Plug-in MCCB conversion	YA5PT3P	YA5PT4P
YA5 Plug-in base	YA5PB3P	YA5PB4P
YA5 Plug-in base extension terminals	YA5PXT3P	YA5PXT4P
YA5 Plug-in base right angle terminals	YA5PRA3P	YA5PRA4P
<b>Accessories</b>		
YA5 Dolly lock	YA5DL	YA5DL
YA5 Neutral link	YA5NL	YA5NL
YA5 Panel mounted rotary handle for maximum 456mm panel depth	YA5RH456	YA5RH456
Castell cam for panel mounted rotary handle	YABCLCAM	YABCLCAM
<b>Shunt Trips</b>		
YA Frame 100-120V AC	YAST115AC	YAST115AC
YA Frame 200-240V AC	YAST240AC	YAST240AC
YA Frame 380-450V AC	YAST450AC	YAST450AC
YA Frame 24V DC	YAST24DC	YAST24DC
<b>Auxiliary and Alarm Switches</b>		
YA Auxiliary changeover switch (AC 240V/3A, DC 125V/0.4A)	YAAUX1	YAAUX1
YA Alarm trip indicator changeover switch (AC 240V/3A, DC 125V/0.4A)	YAAL	YAAL
<b>Under-voltage Release</b>		
YA Frame Under-voltage release 100-120V AC	YAUVR120AC	YAUVR120AC
YA Frame Under-voltage release 200-240V AC	YAUVR240AC	YAUVR240AC
YA Frame Under-voltage release 380-450V AC	YAUVR450AC	YAUVR450AC
YA Frame Under-voltage release 24V DC	YAUVR24DC	YAUVR24DC
<b>Motors and Interlocks</b>		
YA5 Motor actuator 100-110V AC	YA5MA110	YA5MA110
YA5 Motor actuator 200-240V AC	YA5MA240	YA5MA240
YA5 Mechanical interlock, link type for RHS MCCB	YA5MLR	YA5MLR
YA5 Mechanical interlock, link type for LHS MCCB	YA5ML3PL	YA5ML4PL
YA5 Mechanical interlock, manual slide type	YA5MS3P	YA5MS4P
YA5 Mechanical interlock, wire type mechanism (1 required per MCCB)	YA5MW	YA5MW
YA5 Wire interlock Cable 1 metre long	YAMWC1	YAMWC1
YA5 Wire interlock Cable 1.5 metre long	YAMWC2	YAMWC2

**Note:** Please be advised that MCCBs can be fitted with either a shunt trip or an under-voltage release device; however the MCCB cannot house both of these together.