

Loadline MCCB YA6 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 available are 50kA and 70kA at 415Vac for thermal/magnetic MCCBs
- Ultimate breaking capacities available are 50kA and 70kA at 415Vac for electronic MCCBs
- Maximum cable termination is 300mm² with reduced palm width cable lugs
- Rated operational voltage is 690V AC (Ue)
- Rated insulation voltage is 800V AC (Ui)
- Extension terminal bars to be ordered separately when not used with Dorman Smith enclosures.

Current Rating (A)		3-pole Product Code	4-pole Product Code
Max (A)	Min (A)		
Switch Disconnecter			
400	Fixed	YA6B3P400D	YA6B4P400D
800	Fixed	YA6B3P800D	YA6B4P800D
YA6 Frame MCCB Thermal / Magnetic - Icu 50kA			
400	Fixed	YA6H3P400T	YA6H4P400T
630	400	YA6H3P630T	YA6H4P630T
800	500	YA6H3P800T	YA6H4P800T
YA6 Frame MCCB Thermal / Magnetic - Icu 70kA			
630	400	YA6K3P630T	YA6K4P630T
800	500	YA6K3P800T	YA6K4P800T
YA6 Frame MCCB Electronic - Icu 50kA			
630	252	YA6H3P630E	YA6H4P630E
800	320	YA6H3P800E	YA6H4P800E
YA6 Frame MCCB Electronic - Icu 70kA			
630	252	YA6K3P630E	YA6K4P630E
800	320	YA6K3P800E	YA6K4P800E



Ground fault protection is available on electronic MCCBs. To specify Ground Fault please add a "G" to the end of the product code e.g. YA6H3P800EG.

Loadline MCCB YA6 Frame enclosure

Main features

- To house YA6 MCCB up to 630A with metering facility
- Enclosure allows for DIN-rail multi-function meter and/or earth leakage device
- 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 = 1168mm, Width = 460mm and Depth = 157.50mm
- Metering achieved via meter mounting plate LLGPMP

Description	Product Code	Matching CT
Y6/YA6 MCCB enclosure	LLGPYA6	N/A
Meter mounting plate	LLGPMP	N/A
DIN-rail multi-function meter with pulse and Modbus	Ri3-01	M93L single CT range
Earth Leakage Relay Device	ELRP/S-24/240	CBT-94F-105
Neutral Link (if required)	YA6NL	N/A



Loadline MCCB YA6 Frame accessories



Description	3-pole Product Code	4-pole Product Code
Terminals and Protection		
YA6 Terminal shroud for cable lugs	YA6TS3P	YA6TS4P
YA6 Interphase barrier (1 Off)	YA5TB	YA5TB
YA6 Rear terminals	YA6RT3P	YA6RT4P
400/630A YA6 Extension terminals (1 set required for each end of MCCB)	YA6XT3P630	YA6XT4P630
800A YA6 Extension terminals (1 set required for each end of MCCB)	YA6XT3P800	YA6XT4P800
Accessories		
YA6 Handle lock	YA5DL	YA5DL
YA6 Handle Extension	YA6HE	YA6HE
YA6 Castell * locking cam for panel mounted rotary handle	YABCLCAM	YABCLCAM
YA6 Neutral link	YA6NL	YA6NL
YA6 Panel mounted rotary handle for 456mm panel depth	YA6RH456	YA6RH456
Shunt Trips		
YA6 Shunt trip 100-120V AC	YAST115AC	YAST115AC
YA6 Shunt trip 200-240V AC	YAST240AC	YAST240AC
YA6 Shunt trip 380-450V AC	YAST450AC	YAST450AC
YA6 Shunt trip 24V DC	YAST24DC	YAST24DC
YA6 Shunt trip 48V DC	YAST48DC	YAST48DC
YA6 Shunt trip 100-120V DC	YAST120DC	YAST120DC
YA6 Shunt trip 200-240V DC	YAST240DC	YAST240DC
Auxiliary and Alarm Switches		
YA6 3 terminal changeover auxiliary switch that indicates ON or OFF status of the MCCB. 3A resistive load or 2A inductive load at 240Vac 0.4A resistive load or 0.05 inductive load at 125Vdc.	YAAUX1	YAAUX1
YA6 3 terminal changeover alarm switch that indicates TRIP status of the MCCB. 3A resistive load or 2A inductive load at 240Vac 0.4A resistive load or 0.05 inductive load at 125Vdc.	YAAL	YAAL
Under-voltage Release		
YA6 Frame Under-voltage release 100-110V AC	YA6UVR110AC	YA6UVR110AC
YA6 Frame Under-voltage release 230-240V AC	YA6UVR240AC	YA6UVR240AC
YA6 Frame Under-voltage release 380-415V AC	YA6UVR415AC	YA6UVR415AC
YA6 Frame Under-voltage release 24V DC	YA6UVR24DC	YA6UVR24DC
Motors and Interlocks		
YA6 Motor actuator 100-240 AC	YA6MA240	YA6MA240
YA6 Motor actuator with auto reset 200-240V AC	YA6MA240R	YA6MA240R
YA6 Slide type interlock (one between two MCCBs)	YA6MS3P	YA6MS4P
YA6 Link type Interlock for right hand MCCB	YA6MLR	Y6MR4PYA6MLR
YA6 Link type Interlock for left hand MCCB	YA6ML3PL	YA6ML4PL
YA6 Wire type Interlock (one for each MCCB) **	YA6MW	YA6MW
YA6 Wire interlock Cable 1 metre long	YAMWC1	YAMWC1
YA6 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.

* Castell is a trademark of Castell Safety International limited.

** YA6MW Wire type interlock must be used with a YA6MA240 motor actuator