



PKA6 Electronic combined MCB/RCD device

ELQ-TD Combined MCB/RCD device

- Electronic combined MCB/RCD device
- Permanent connected flexible neutral conductor (750 mm)
- Rated breaking capacity 6 kA
- Contact position indicator red - green
- C curve tripping characteristic
- Australian approval numbers NSW20024 and NSW26670
- European quality

Eaton tested and approved as direct replacement of Eaton ELQ RCBO product in Eaton distribution boards and load centre assemblies



- Combined MCB/RCD device
- Permanent connected neutral conductor (950mm)
- Rating breaking capacity 6kArms
- Suitable for sliding clip tray arrangements
- Complies with AS/NZS 3190:2016 and AS/NZS 3111:2009+A1-2
- Australian approval number NSW27675



Powering Business Worldwide

Electronic combined MCB/RCD devices PKA6, 1+N-pole

PKA6 Residual Current operated circuit Breaker with Overcurrent protection (RCBO)

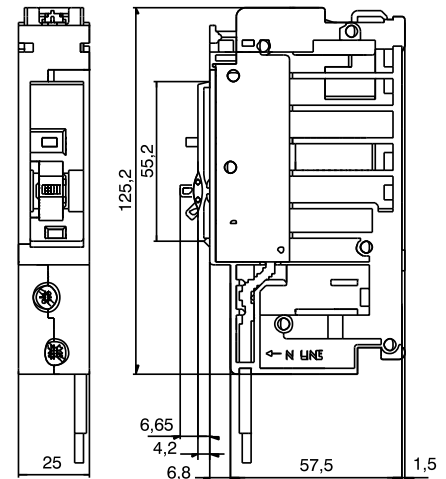
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Electronic Combined RCD/MCB Devices PKA6 1+N-pole Conditionally surge current-proof 250 A, type AC

Sensitivity (mA)	Rating (A)	Units per package	Item no.
Characteristic C			
30mA	10	1/30	PKA6-10/1N/C/003
30mA	13	1/30	PKA6-13/1N/C/003
30mA	16	1/30	PKA6-16/1N/C/003
30mA	20	1/30	PKA6-20/1N/C/003
30mA	25	1/30	PKA6-25/1N/C/003
30mA	32	1/30	PKA6-32/1N/C/003
30mA	40	1/30	PKA6-40/1N/C/003
10mA	10	1/30	PKA6-10/1N/C/001
10mA	13	1/30	PKA6-13/1N/C/001
10mA	16	1/30	PKA6-16/1N/C/001
10mA	20	1/30	PKA6-20/1N/C/001
10mA	25	1/30	PKA6-25/1N/C/001
10mA	32	1/30	PKA6-32/1N/C/001
10mA	40	1/30	PKA6-40/1N/C/001
100mA	10	1/30	PKA6-10/1N/C/01
100mA	13	1/30	PKA6-13/1N/C/01
100mA	16	1/30	PKA6-16/1N/C/01
100mA	20	1/30	PKA6-20/1N/C/01
100mA	25	1/30	PKA6-25/1N/C/01
100mA	32	1/30	PKA6-32/1N/C/01
100mA	40	1/30	PKA6-40/1N/C/01



Dimensions (mm)



DIN Fuse Back-Up Data

RCBO Item no.	Breaking Capacity (kA _{rms})	Eaton Upstream Fuse Link Item no.	Three-phase prospective short-circuit current (kA _{rms})	Pre-arcing I _p t (A ² s)	Total I _p t @ 500V (A ² s)	Peak cut-off current @ 50kA _{rms} (kA _{pk})	Watts Loss (W)
PKA6-10/1N/C/xxx	6	F5GG200U1	50	97,000	368,600	18	15
PKA6-16/1N/C/xxx	6	F5GG200U1	50	97,000	368,600	18	15
PKA6-20/1N/C/xxx	6	F5GG200U1	50	97,000	368,600	18	15
PKA6-25/1N/C/xxx	6	F5GG200U1	50	97,000	368,600	18	15
PKA6-32/1N/C/xxx	6	F5GG250U1	50	151,300	574,900	25	19
PKA6-40/1N/C/xxx	6	F5GG250U1	50	151,300	574,900	25	19

Over 60 Years of Service to the Australian Electrical Industry

The Quicklag range of miniature circuit breakers was originally released in Australia by Email-Westinghouse in 1957 before the company changed its name to Cutler-Hammer and then to Eaton.

Through the years, the Quicklag has been widely recognised as setting the electrical industry benchmark for Miniature Circuit Breakers

Quicklag is the largest and most complete family of industrial thermal magnetic miniature circuit breakers. They provide the feature of steel frame calibration and arc chutes in every pole. Quicklag circuit breakers are provided in ranges from 8 to 100 amperes continuous in one, two, three and four-pole configurations.



Quicklag Miniature circuit breakers

Quicklag Miniature circuit breakers are used in a variety of circuit protection applications that range from protection for submain circuits & light & power circuits through to various motor starting applications.

Key Features

- Breaking capacity 6kA at 415VAC/2,3,4 pole & 6kA at 240VAC/1 pole
- Extensive range of accessories
- Non-Auto breakers available
- Centre trip indication
- Complies with AS3111 & AS2184, Lloyd's approved

Quicklag MCB

Rating (A)	Item no. 1 pole	Item no. 2 pole	Item no. 3 pole	Item no. 4 pole
8	Q108	Q208	Q308	Q408
10	Q110	Q210	Q310	Q410
16	Q116	Q216	Q316	Q416
20	Q120	Q220	Q320	Q420
25	Q125	Q225	Q325	Q425
32	Q132	Q232	Q332	Q432
40	Q140	Q240	Q340	Q440
50	Q150	Q250	Q350	Q450
63	Q163	Q263	Q363	Q463
80	Q180	Q280	Q380	Q480
100	Q1100	Q2100	Q3100	Q4100
80*	Q180N	Q280N	Q380N	Q480N
100*	Q1100N	Q2100N	Q3100N	Q4100N

* Non-Auto Breaker.

Quicklag MCB fitted with 240V AC shunt trip (intermittent rated) - factory fitted only

Rating (A)	Item no. 1 pole	Item no. 2 pole	Item no. 3 pole	Item no. 4 pole
8	Q108-ST2	Q208-ST2	Q308-ST2	Q408-ST2
10	Q110-ST2	Q210-ST2	Q310-ST2	Q410-ST2
16	Q116-ST2	Q216-ST2	Q316-ST2	Q416-ST2
20	Q120-ST2	Q220-ST2	Q320-ST2	Q420-ST2
25	Q125-ST2	Q225-ST2	Q325-ST2	Q425-ST2
32	Q132-ST2	Q232-ST2	Q332-ST2	Q432-ST2
40	Q140-ST2	Q240-ST2	Q340-ST2	Q440-ST2
50	Q150-ST2	Q250-ST2	Q350-ST2	Q450-ST2
63	Q163-ST2	Q263-ST2	Q363-ST2	Q463-ST2
80	Q180-ST2	Q280-ST2	Q380-ST2	Q480-ST2
100	Q1100-ST2	Q2100-ST2	Q3100-ST2	Q4100-ST2
80*	Q180N-ST2	Q280N-ST2	Q380N-ST2	Q480N-ST2
100*	Q1100N-ST2	Q2100N-ST2	Q3100N-ST2	Q4100N-ST2

* Non-Auto Breaker.

ST2 operates on 90-440 Vac, 60-250 Vdc

Some other voltage shunt trips available consult Eaton

Quicklag MCB

Quicklag accessories

Quicklag's extensive range of accessories extends its features & benefits to many applications. Moulded covers & polycentres allow for retrofit installations where space is limited. A wide range of locking devices can easily provide extra security & safety in situations where it is required.

Quicklag accessories

Description	Item no.
1-Pole Moulded Cover	S1Q ①
3-Pole Moulded Cover	S3Q ①
Quicklag Polycentre 6-Pole	QPC ①
Sealing Screws for Quicklag Covers (Kit of 10)	QSEALKIT ①
Quicklag Pole Filler	QPF
Sliding Clip Tray 3-Pole	SC3Q ①
Sliding Clip Tray 6-Pole	SC6Q ①
Sliding Clip Tray 12-Pole	SC12Q ①
Sliding Clip Tray 24-Pole	SC24Q ①
Standard Clip Tray 36-Pole	C36Q
50A Terminal 25mm ²	T50Q
100A Terminal 50mm ²	T100Q
Tunnel Kit 35mm ² - 3 pieces	QLUGKIT ①
Handle Lock 1-Pole + Padlock	PLKQ1 ①
Handle Lock 2 or 4-Pole + Padlock	PLKQ24 ①
Handle Lock 3-Pole + Padlock	PLKQ3 ①
Lock Off device (opposing breaker)	1517-1277/1 ①
Quicklag DIN Adaptor (Pack of 6)	QLDINADAPT
Lockdog Quicklag (Pack of 10)	LKDQ
MCB Lock Off Bracket Kit (Pack of 10)	1517-1299/1 ①
Tee-off Insulation Cap	1521-1287/1
Busbar Comb 24-Pole	1521-0070/15
250 A main switch kit for xBoard Plus Quicklag	XDBPQ-M/S

① Not suitable for ELQ.



ELQ Earth Leakage breaker

The ELQ Earth Leakage breaker combines overload, short circuit & residual current (earth leakage) protection in one compact unit.

Features & Benefits

- Overload, short circuit & residual current protection in one compact unit
- 6kA at 240V AC/Sym (AS2184)
- Sensitivity available in 10, 30 & 100mA models
- Approval No. NSW27675
- Trip indication window
- Test button with preventative accidental push design

ELQ Earth leakage breaker

Sensitivity (mA)	Rating (A)	Item no.
30mA	10	ELQ110C3TD
30mA	16	ELQ116C3TD
30mA	20	ELQ120C3TD
30mA	25	ELQ125C3TD
30mA	32	ELQ132C3TD
10mA	10	ELQ110C1TD
10mA	16	ELQ116C1TD
10mA	20	ELQ120C1TD
10mA	25	ELQ125C1TD
10mA	32	ELQ132C1TD
100mA	10	ELQ110C10TD
100mA	16	ELQ116C10TD
100mA	20	ELQ120C10TD
100mA	25	ELQ125C10TD
100mA	32	ELQ132C10TD



ELQ specific Accessories

Description	Item no.
ELQ to E-Frame Adaptor Kit	ELQ-E-KIT ①
Lockdog Kit ELQ (No Padlock, 1-Pole)	LKDELQTW ①

① Suitable for panel mount applications only.



Quicklag MCB

Quickmov™ surge protection device



Quickmov™ is an integrated Surge Protection Device (SPD), designed to protect single & multiphase electrical distribution systems against the damaging effects of voltage spikes & surges.

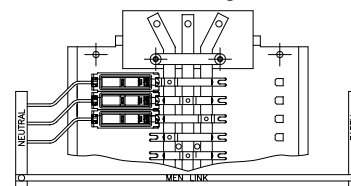
Key Features

- Surge rating 30kA Inom & 60kA Imax
- Integrated surge protection solution
- In-built HRC fusing
- Safe thermal disconnect
- Dual barrier flame retardant housing
- Fail safe status indicator
- Protection for M.E.N. & non-M.E.N. applications
- Designed in Australia Quickmov Surge Protection Device
- Mounts directly in any Quicklag™ panelboard
- Compatible with most Quicklag™ accessories (SPD50NGI is required for installations remote from the M.E.N. link).

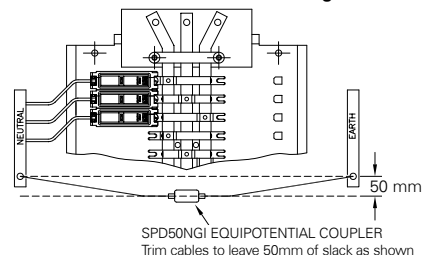
Dimensions

Height	Width	Depth	Weight
71 mm	25 mm	93 mm	0.3 kg

Main board or M.E.N configuration



Distribution board or non M.E.N configuration



Quickmov™ surge protection device

Description	Surge rating	Item no.
1Pole 60kA Quickmov™ Surge Diverter	60kA	SPDQM1
50kA Neutral to Earth Surge Protector / Equipotential Coupler	50kA	SPD50NGI

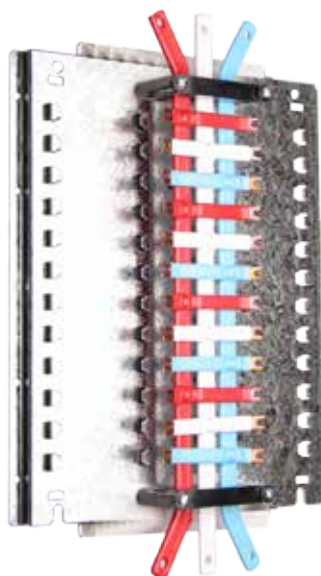
One Quickmov™ per phase is required for multi-phase installations.

Quicklag Chassis

Designed & tested to the requirements of AS1136.1, Quicklag chassis assemblies are available in a number of configurations, They are used by Eaton in Quicklag panelboards & by Original Equipment Manufacturer's in their own panelboard & switchboard assemblies throughout the electrical industry.

Short circuit withstand ratings

	Rating	Withstand
Standard	250A	20kA for 0.1 sec
Non-standard	400A	20kA for 1.0 sec



Chassis vertical & horizontal type - 250A rated

Pole capacity	Item no. Vertical	Height * (mm)	Item no. Horizontal	Height * (mm)
12	Q12PV Ⓢ	229	Q12PH	229
18	Q18PV Ⓢ	305	Q18PH	305
24	Q24PV Ⓢ	381	Q24PH	381
30	Q30PV Ⓢ	457	Q30PH	457
36	Q36PV Ⓢ	534	Q36PH	534
42	Q42PV Ⓢ	610	Q42PH	610
48	Q48PV Ⓢ	686	Q48PH	686
60	Q60PV Ⓢ	838	Q60PH	838
72	Q72PV Ⓢ	991		
78	Q78PV Ⓢ	1067		
84	Q84PV Ⓢ	1143		
96	Q96PV Ⓢ	1291		
108	Q108PV-400 Ⓢ	1444		

* Busbars extend 42mm over top & bottom of mounting pan on Vertical type & left & right on horizontal.

Ⓢ For 400A option add -400 to end of item no. (example Q36PV-400)

Ⓢ 108 pole only available in 400A rating

Chassis with 100A main switch

Pole capacity	Height (mm)	Width (mm)	Item no.
12	305	332	Q12PVQT
24	457	332	Q24PVQT
36	610	332	Q36PVQT

Non standard variations are available on request. Prices on application.

Chassis half-width type

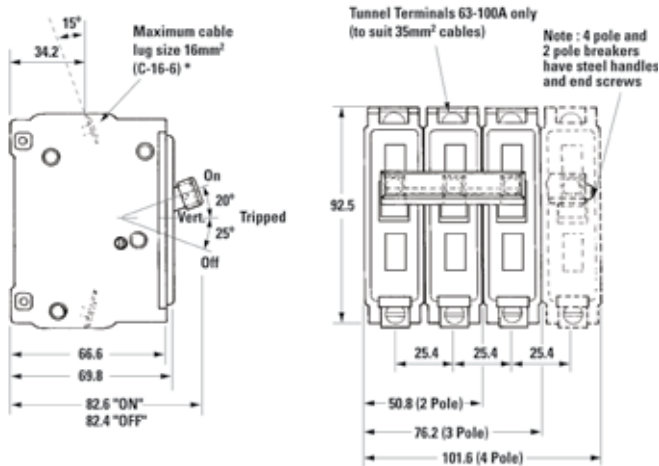
Pole capacity	Item no. Vertical	Height x Width* (mm)	Item no. Horizontal	Height x Width* (mm)
12	1521-1560/1	381 * x 230	1521-1561/1	230 x 381 *
18	1521-1560/2	534 * x 230	1521-1561/2	230 x 534 *
24	1521-1560/3	686 * x 230	1521-1561/3	230 x 686 *
30	1521-1560/4	838 * x 230	1521-1561/4	230 x 838 *

* Busbars extend 42mm over both sides of mounting pan. Half-Width Chassis are made to order.

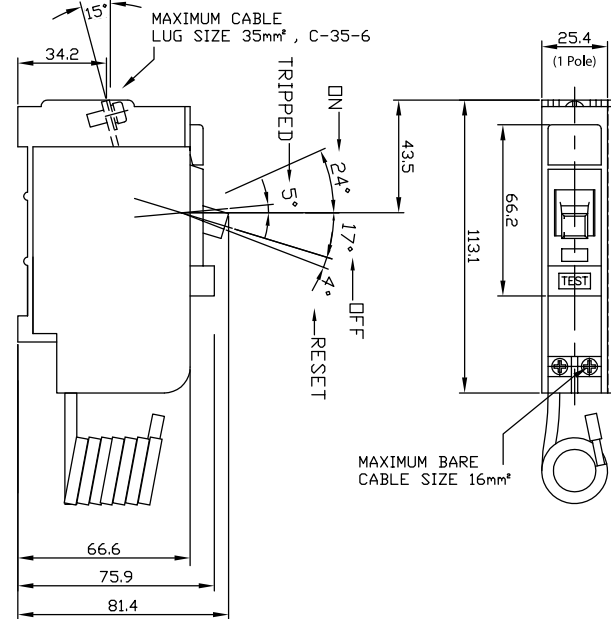
Quicklag MCB

Dimensional data

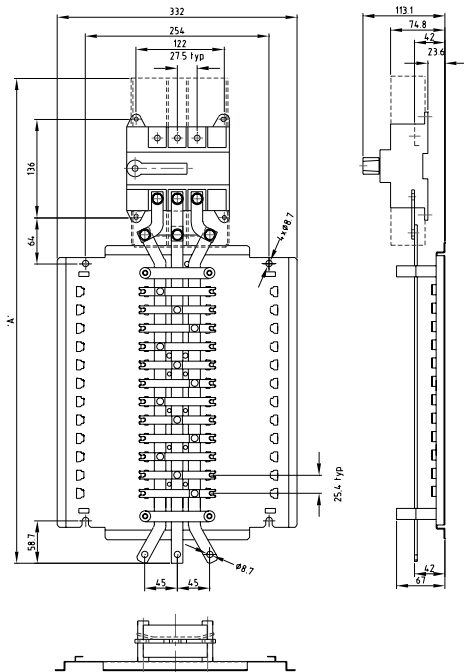
Quicklag dimensions



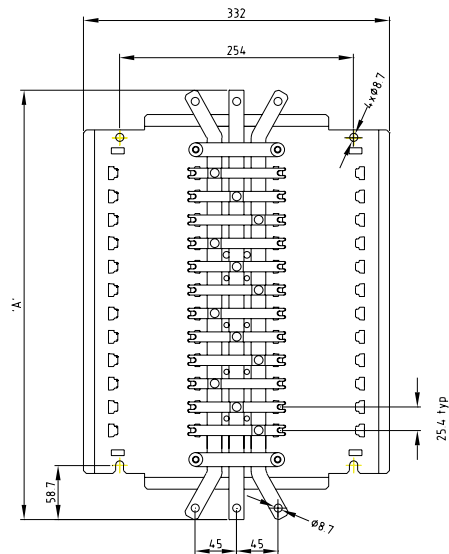
ELQ TD dimensions



Chassis with main switch dimensions

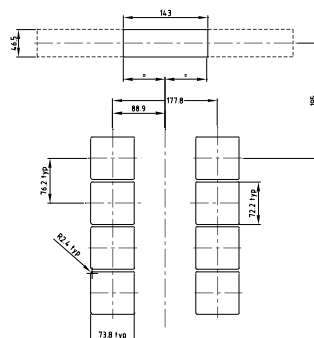


Chassis dimensions



Quicklag Chassis

Poles	Dimension A (mm)
24	671
36	823
48	976
60	1128
72	1281
84	1433
96	1585
108	1738



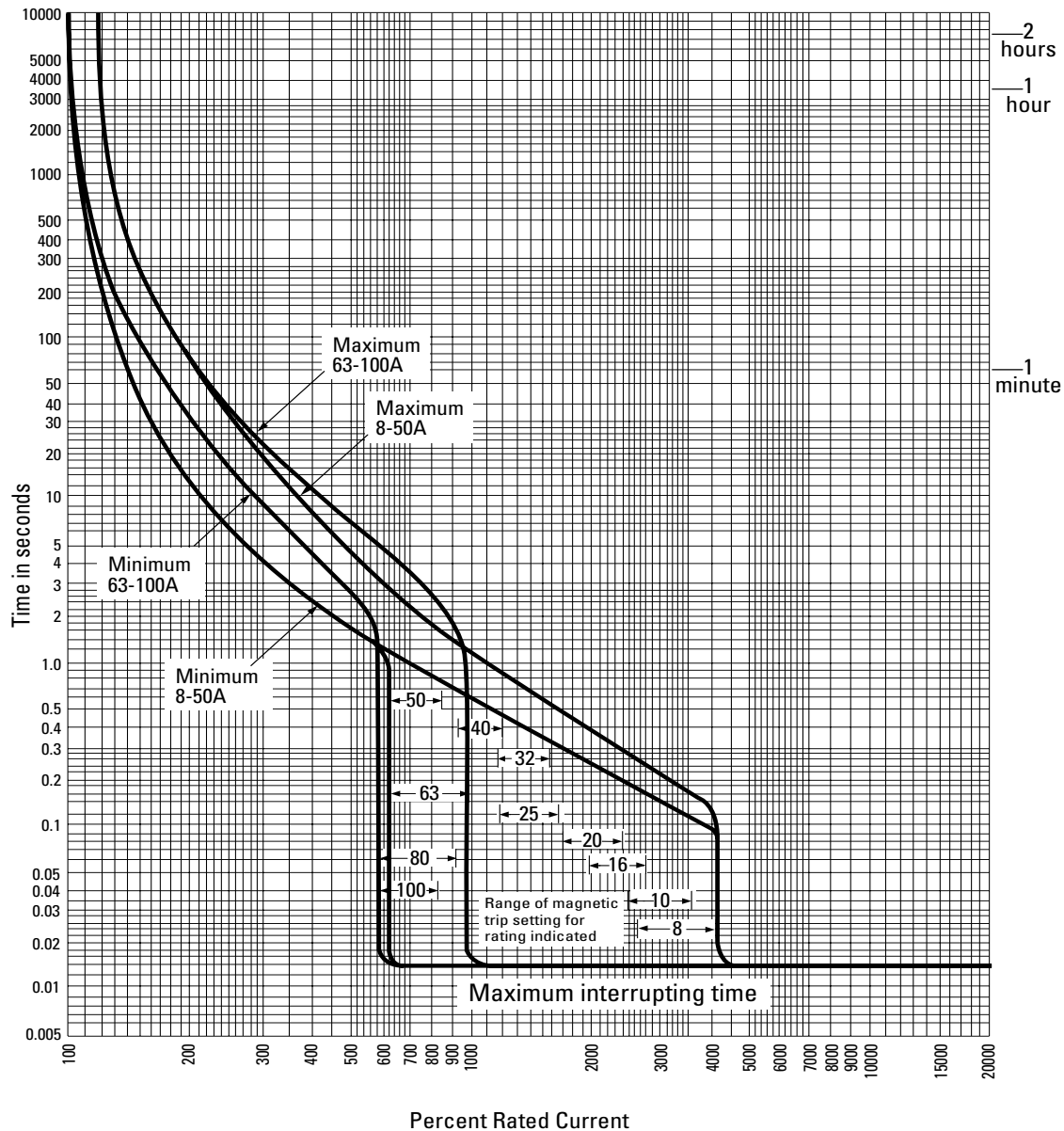
Quicklag Chassis

Poles	Chassis vertical height Dim A (mm)	Chassis horizontal width Dim A (mm)
12	313	313
18	389	389
24	465	465
30	541	541
36	618	618
42	694	694
48	770	770
60	922	922
72	1075	1075
78	1151	-
84	1127	-
96	1375	-
108	1528	-

Quicklag MCB

Technical data

Quicklag MCB time current curve



Time current curves show response times in seconds for applied overcurrent expressed in percentages of rated current. The values are for breakers operating in open air in ambient of 40°C, or inside an enclosure in an ambient of 25°C with no current through the breaker before application of over current.

The characteristics are presented not as a single curve but as a band defined by maximum and minimum curves. The characteristics curve for any particular breaker will lie within this band. However, this does not imply that its tolerance band is as wide as the plotted band, which allows for manufacturing and calibrating variations for the range overall.

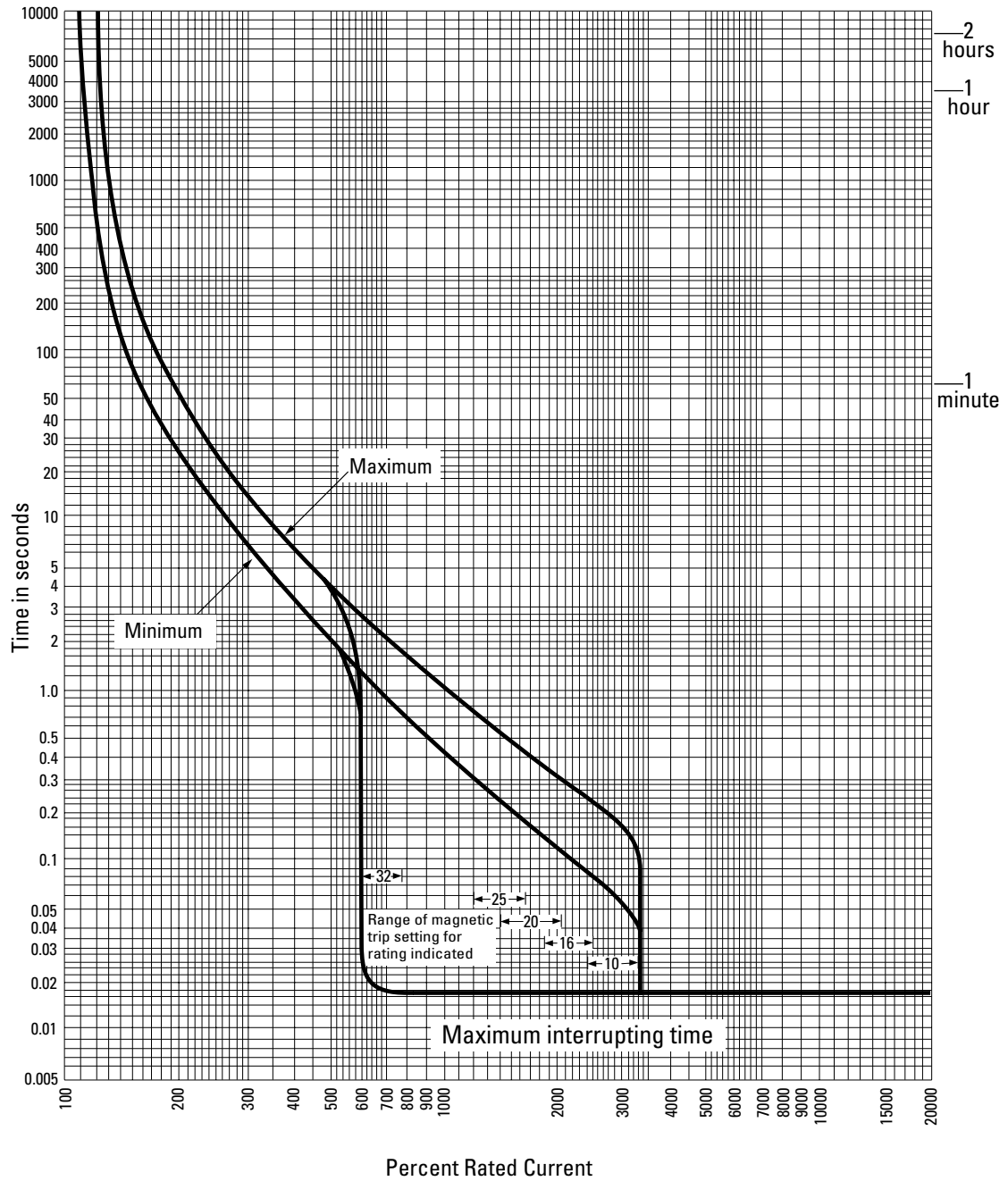
Specifications - The specifications in this publication were correct at the time the publication went to press. Eaton reserves the right to change the specifications of its products without notice.

Installation and use - The products described in this publication should only be installed and used in accordance with any accompanying instruction sheets. The full extent permitted by law, Eaton expressly excludes all and any liability arising from installation or use of products which is not in accordance with the relevant instruction manual.

Quicklag MCB

Technical data

Quicklag ELQ time current curve



Low Voltage Circuit Protection & Switchgear

Quicklag MCB

Technical data

Fuse backup

Fuse brands recommended are based on exhaustive type testing conducted at the Australia Electrical Test Centre, University of South Australia, in accordance with the relevant subclauses under clause 8.2.3 of Australian Standard AS3439.1-1993. Peak let-through current and energy, as stated by the respective fuse suppliers, have been detailed in the technical data grid below to assist in choosing a replacement fuse. The recommended back-up fuse ratings are valid for prospective system fault levels up to 50kA rms, 415VAC, 3-phase. The minimum fuse size which can be used for such applications is based on grading under overload, one breaker with one fuse. Minimum BS88/DIN fuse sizes recommended for use with Eaton circuit breakers is as follows: Quicklag 8-16A: 63A; Quicklag 20-40A: 80A; Quicklag 50-63A: 100A; Quicklag 80-100A: 160A.

Fault current limiting fuses for series connected protection of Eaton Quicklag circuit breakers

Ratings (Amps)	BS88 fuse (Quicklag)	DIN fuse (Quicklag)
8	160	160
10	160	160
16	160	200
20	200	200
25	200	200
32	200	250
40	200	250
50	200	250
63	200	250
80	200	250
100	200	250

AS3000-1991 - Attention is drawn to clause 2.19.4.4 of AS3000-1991 requiring that fault current limiters protecting fire and life equipment shall not be affected by a fault on the general installation
AS/NZS3000-2000 - Attention is drawn to clause 7.10.4.4 of AS/NZS3000-2000 requiring that fault current limiters protecting fire and life shall not be affected by a fault on the general installation.

Star Delta, auto-transformer, resistor or reactance motor starting

Recommend circuit breaker type and continuous current rating for motors with start times

FLC (Amps)	Approximate Motor (kW)	Approximate Motor (HP)	Quicklag (20 sec start)
3	1.1	1.5	8 *
4	1.5	2	8
5	2.2	3	10
6-7	3	4	16 *
8	4	5.5	16
9	4.5	6	20 *
11	5.5	7.5	25 *
12-16	7.5	10	32 *
17-20	9	12.5	40
21-24	11	15	50 *
25-30	15	20	50
31-40	18.5	25	63 *
41-44	22	30	63
45-52	25	35	80
53-56	30	40	80
57-60	34	45	100
61-70	37	50	100

This table is based on average 3-phase, 415VAC motors only, holding 115% FLC continuously and 350% motor FLC for at least 20 seconds as shown. The breakers listed in this table, have either solid state or thermal/magnetic trip releases. The breaker having adjustable thermal and/or magnetic settings must be set at their minimum values.

AS/NZS3000:2007

*These breakers do not provide protection against short time overload currents in accordance with AS/NZS3000:2007, section 2.5.3.

*A separate overload protection device should be used in conjunction with this breaker (refer AS/NZS3000:2007, section 2.5). Attention is drawn to AS/NZS3000:2007, section 2.5.3 which requires coordination between the conductors and the protective device. Note that this may involve provision of additional overload protection or appropriate cable size selection.

D.O.L starting

Recommend circuit breaker type and continuous current rating for motors with start times

FLC (Amps)	Approximate motor (kW)	Approximate motor (HP)	Quicklag (5 sec start)	Quicklag (10 sec start)
1.8	0.75	1	8 *	8 *
3	1.1	1.5	10	16 *
4	1.5	2	16 *	16 *
5	2.2	3	16 *	20 *
6-7	3	4	20 *	25 *
8	4	5.5	20	25 *
9	4.5	6	25	32 *
11	5.5	7.5	40 *	50 *
12-16	7.5	10	50 *	63 *
17-20	9	12.5	63 *	63 *
21-24	11	15	63	63
25-30	15	20	63	80 *
31-40	18.5	25	80	100
41-44	22	30	100	-
45-52	25	35	100	-
53-56	30	40	100	-

This table is based on average 3-phase, 415VAC motors only, holding 125% FLC continuously and 600% motor FLC for at least 5 and at least 10 seconds as shown. The breakers listed in this table, have either solid state or thermal/magnetic trip releases. The breaker having adjustable thermal and/or magnetic settings must be set at their minimum values.

AS/NZS3000:2007

*These breakers do not provide protection against short time overload currents in accordance with AS/NZS3000:2007, section 2.5.3.

*A separate overload protection device should be used in conjunction with this breaker

(refer AS/NZS3000:2007, section 2.5). Attention is drawn to AS/NZS3000:2007, section 2.5.3 which requires coordination between the conductors and the protective device. Note that this may involve provision of additional overload protection or appropriate cable size selection.

Fire pump motor starting

Recommend circuit breaker type and continuous current rating for motors with start times

FLC (Amps)	Approximate motor (kW)	Approximate motor (HP)	Quicklag (20 sec start)
1.5	0.55	0.75	10 *
1.8	0.75	1	10 *
3	1.1	1.5	10 *
4	1.5	2	16 *
5	2.2	3	20 *
6-7	3	4	25 *
8	4	5.5	32 *
9	4.5	6	32 *
11	5.5	7.5	40 *
12-16	7.5	10	63 *
17-20	9	12.5	63 *
21-24	11	15	63 *
25-30	15	20	80 *

This table is based on average 3-phase, 415VAC motors only, holding 125% FLC continuously and 600% motor FLC for at least 20 seconds as shown. The breakers listed in this table, have either solid state or thermal/magnetic trip releases. The breaker having adjustable thermal and/or magnetic settings must be set at their minimum values.

AS/NZS3000:2007 The recommended breaker ratings are based on AS/NZS3000:2007, section 7.2.9 and that only one fire-pump motor is protected by each recommended circuit-breaker rating.

* These breakers do not provide protection against short time overload currents in accordance with AS/NZS3000:2007, section 2.5.3.

* A separate overload protection device should be used in conjunction with this breaker (refer AS/NZS3000:2007, section 2.5). Attention is drawn to AS/NZS3000:2007, section 2.5.3 which requires coordination between the conductors and the protective device. Note that this may involve provision of additional overload protection or appropriate cable size selection.

Quicklag MCB

Technical data

Earth fault loop impedance

Maximum values of Earth Fault-Loop impedance (Zs at 230V). Quicklag equivalent to table 8.1 from AS/NZS3000:2007.

Quicklag rating, In (A)	Mean automatic operation current, Ia (A)	Maximum circuit impedance, Zs (Ohms)
8	135	1.70
10	170	1.35
16	270	0.85
20	335	0.69
25	355	0.65
32	440	0.52
40	425	0.54
50	390	0.59
63	520	0.44
80	590	0.39
100	700	0.33

This table was calculated using the formula defined in clause B4.5

$$Z_s = \frac{U_o}{I_a}$$

Where:
 $U_o = 230V$
 I_a = Known Value (derived from published Quicklag trip curves)

Maximum circuit lengths, in metres, for different size of conductors & protective devices using approximate mean tripping currents (Ia)*. Quicklag Equivalent to Table B1 from AS/NZS3000:2007

Conductor size	Conductor size	Quicklag rating	Mean automatic operation current	Maximum circuit length (Copper)	Maximum circuit length (Aluminum)
Active Sph (mm²)	Earth Spe (mm²)	In (A)	Ia (A)	Lmax (m)	Lmax (m)
1	1	8	135	30	18
1	1	10	170	24	15
1.5	1.5	10	170	36	22
1.5	1.5	16	270	22	14
2.5	2.5	16	270	37	23
2.5	2.5	20	335	30	19
4	2.5	25	355	35	22
4	2.5	32	440	28	17
6	2.5	40	425	33	21
10	4	50	390	59	37
16	6	63	520	68	42
16	6	80	590	60	37
25	6	80	590	67	41
25	6	100	700	56	35
35	10	100	700	90	56

This table was calculated using the formula defined in clause B5.2.2

$$L_{max} = \frac{0.8U_o S_{ph} S_{pe}}{I_a \rho (S_{ph} + S_{pe})}$$

Where:
 $U_o = 230V$
 I_a = Known Value (derived from published Quicklag trip curves)
 ρ = Resistivity values shown in the standard
 S_{ph} & S_{pe} = Cross sectional Areas of Conductors

Cascading & discrimination tables

Cascading & Discrimination of series connected Eaton Quicklag MCB & moulded case circuit breakers

	Breaker Upstream	FWF 40kA			FW 40kA			HFWF 70kA			HFW 70kA		
Breaker Downstream	-	-	-	-	160A	200A	225A	160A	200A	225A	160A	200A	225A
Quicklag MCB	X/Y	1.2/18	1.6/18	1.8/18	1.6/18	2/18	2.2/18	1.2/18	1.6/18	1.8/18	1.2/18	1.6/18	1.8/18

X= Discrimination up to 4kA

Y = Cascading up to 40kA

This table is based on circuit breakers installed on a system with a voltage of 415Vac, 50Hz, 3-Phase Upstream circuit breakers must have their thermal & magnetic characteristics set at their maximum values to obtain the stated discrimination level. 4/40 means that up to 4kA, only the downstream circuit breaker will trip. Above this level, either or both circuit breaker will trip. This combination has been tested in series for cascading at 40kA

Fuse backup let-through energies

Technical data on HRC fuses type tested for back-up protection of Eaton Quicklag circuit breakers

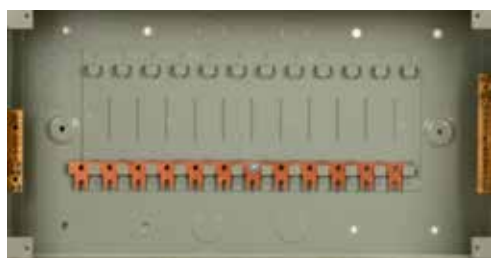
Fuse Manufacturer	Fuse Type	Fuse Item No.	Fuse Rating (A)	i ² -t Value Pre-Arching (AMP ² -sec)	i ² -t Value Total @ 415VAC (AMP ² -sec)	i ² -t Value Total @ 550VAC (AMP ² -sec)	i ² -t Value Total @ 600VAC (AMP ² -sec)	Peak Cut-Off Current @ 50kA (kA)	Watts Loss (W)
Bovara-Crady	DIN	AC-1	160	0.52 x 105	N/A	1.00 x 105	N/A	15.00	13.12
	DIN	AC-1	200	1.00 x 105	N/A	2.00 x 105	N/A	17.00	17.00
	DIN	AC-1/2	250	1.50 x 105	N/A	3.50 x 105	N/A	20.00	20.00
Siemens Ltd	BS88	3NWTF	160	0.52 x 105	1.42 x 105	1.96 x 105	N/A	17.50	13.00
	BS88	-	200	1.16 x 105	3.30 x 105	4.56 x 105	N/A	21.00	15.20

Low Voltage Circuit Protection & Switchgear

Quicklag MCB

LCQ Metal loadcentres

The LCQ loadcentre range is designed for Quicklag breakers and is most suitable for small & compact industrial installations & is available in capacities ranging from 6 pole to 18 pole in a single row. The LCQ range is constructed from robust steel & is dimensioned so that ample space for wiring is available. The standard LCQ is supplied with 100A active link & earth bar & a neutral link that can accommodate 35mm² incoming cable. For 3 phase requirements, 12 pole & 18 pole 100A busbars are available for line side termination.



Surface Mount LCQ Loadcentres

Key Features

- Available in 6 to 18 poles
- Complete with active busbar, earth bar & neutral link
- Metal construction & Ripple Grey finish as standard
- Designed to meet IP40 requirements as standard
- Flushed mounting kit and door kit available as additional items

Dimensions

Height (mm)	Width (mm)	Depth (mm)
234	below	70

Quicklag LCQ metal loadcentres

Pole capacity	Width x depth x height (mm)	Item no. surface mount	Item no. flush mount kit	Item no. door kit
6	284 x 70 x 234	LCQ6S	LCQ6FKIT	LCQDRKIT6
9	360 x 70 x 234	LCQ9S	LCQ9FKIT	LCQDRKIT9
12	436 x 70 x 234	LCQ12S	LCQ12FKIT	LCQDRKIT12
18	589 x 70 x 234	LCQ18S	LCQ18FKIT	LCQDRKIT18

Flush cover = + 50mm extra for height & depth..

Typical Ordering Examples (12 pole):

Surface mount: LCQ12S

Flush mount: LCQ12S + LCQ12FKIT

Surface mount with door: LCQ12S + LCQDRKIT12

Flush mount with door: LCQ12S + LCQ12FKIT + LCQDRKIT12

Accessories

Description	Item no.
Spare pole fillers	QPF
Designation labels, neutral, earth	1521-0031/14
Designation labels, 1-20, main switch	1521-0175/1
12 pole, 3 phase busbar kit	LCQ12PBB
18 pole, 3 phase busbar kit	LCQ18PBB
Coin lock for door version only	LCQCLK
LCQ E-Lock field fittable kit	LCQELCK