

QA36 - Series Earth Leakages



Dual (DIN & mini rail) mount

Features

- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- VC 8035 compliant
- IEC 60947-2 compliant
- Ratings 6 A to 63 A
- Earth Leakage sensitivity 30 mA, Type A
- Three pole plus switched neutral earth leakage protection
- Precision tripping characteristics
- Trip indication with mid-trip position
- · Can be switched on immediately after tripping
- Suitable to use for electrical isolation
- Shell designed for easier installation onto busbar
- 57 mm front escutcheon

Applications

Residential and commercial applications requiring high sensitivity earth leakage protection from electrical shock and fire hazards

QA36C

Dual (DIN & mini rail) mount

- Telecom / datacom equipment
- Lighting control

TEST

- UPS equipment
- Alternative energy equipment

Approvals

VC 8035



Hydraulic-Magnetic Circuit Breakers 100% rated, unaffected by ambient temperature

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QA36 - Series Earth Leakages

Technical Data

Product Type		QA36A QA36C								
Approvals		VC 8035								
Number of Poles			3 + N		3 + N					
Standard Ampere Ratii	ngs		6 A to 63 A		40 A, 63 A					
Sensitivity			30 mA							
Equipment Type Rated	Voltage	415 Vac								
Ultimate S/C breaking	Capacity (Icu)		2.5 kA		-					
Rated S/C Withstand C	apacity (Icw)		-		2.5 kA					
Product Type			QA36A		QA36C					
Approvals			IEC	; 60947-2	2					
Number of Poles			3 + N		3 + N					
Standard Ampere Ratir	ngs		6 A to 63 A		40 A, 63 A					
Sensitivity			:	30 mA						
Equipment Type Rated	Voltage	415 Vac								
Ultimate S/C breaking	Capacity (Icu)		3 kA		-					
Rated Conditional S/C	Current (Icc)		- 3 kA							
Product Type				QA36						
Operating Temperature	e Range		-40°(C to +85°	С					
Mounting Options			Dual (DIN 8	& mini rai	I) mount					
Time Delay Curves			2 (A v	ersion on	ıly)					
Endurance			10 000 operations -	1 500 ele	ctrical operations					
Dielectric Strength			1 000 V (single pole), 50	Hz for or	ne minute after testing					
Weight		570 g per pole (unpacked)								
Altitude		Certification tests done at altitude ≈ 2 000 metres. Will operate at higher altitudes.								
Shock		10 G (IEC 60068-2-27)								
Vibration		1.5 G (IEC 60068-2-6) (sinusoidal wave)								
Flammability		I3 - Ignition does not persist at 850 °C after glow wire is withdrawn with an oxygen index of ≥ 28								
Toxicity		F1 - Smoke index of \leq 20 which determines the fume class								
Pollution Degree		PD2 - Normally only non-conductive pollution occurs. Temporary conductivity caused by condensation is to be expected.								
Earth Leakage	Wire Size (IE	EC)	Torque (IEC)		Comments					
Main Terminal	0.75 mm² - 35	mm ²	2.5 Nm		Pozidriv #2 Combi head					

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QA36 - Series Earth Leakages

Long Code

Example Code: Q-A-36-A---DM-2-63A-30mA-240V----

Group		2	3	4	5	6	7	8	9	10	11	12	13
Requirement	Q frame	Type F	1 + pole+N	Overload	No Auxiliary or additional pole	Dual Mount	Medium delay curve 2	Current rating 63 A	Sensitivity 30 mA	Voltage 240 Vac	Future use	Future use	Future use
Long Code	Q	Α	36	Α	-	DM	2	63 A	30 mA	400 V	-	-	-

Ordering Information

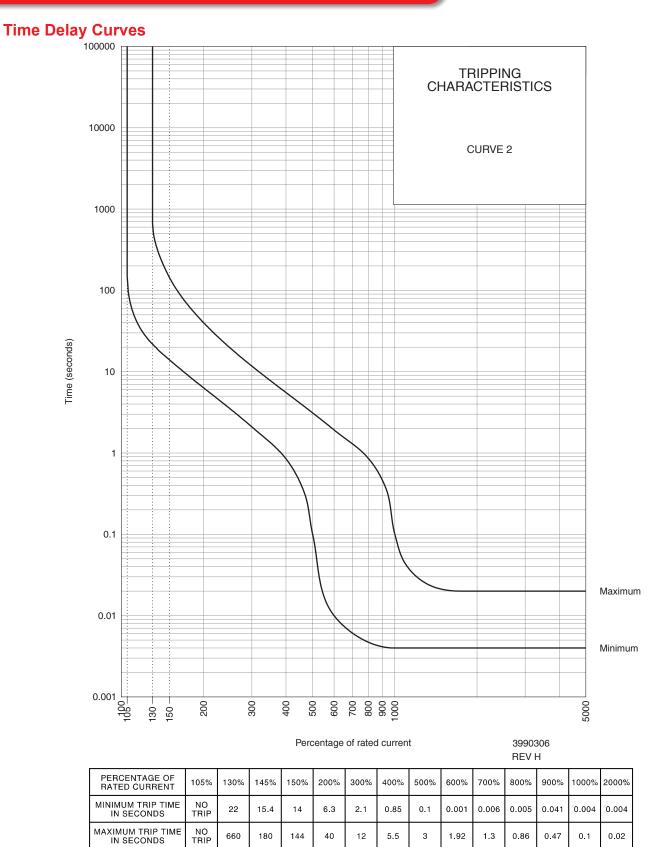
Group 1:	Code	Description	Commen	its					
Frame Type	Q	Earth Leakage							
Group 2:	Code	Description	Commen	its					
Product Type	A	415 Vac							
Group 3:	Code	Description	Commen	its					
No of Poles	36	Three pole plus switched neutral (3+N)	36 mm wi	de					
Group 4:	Code	Description	Comments						
E-L Type	A	Overload	White and green handle						
	С	Switch disconnector	Green handle						
Group 5:	Code	Description	Commen	its					
Auxiliary / Additional Pole	-	Not applicable							
Group 6:	Code	Description	Comments						
Mounting	DM	Dual (DIN & mini rail) mount	Dual mount supplied in black shel	shell only - 57 mm escutcheon					
Group 7:	Code	Description	Instantaneous Trip Point (x In)	Comments					
Time Delays	-	Not applicable	-	Time delay not applicable for the switch					
	2	Medium time delay	5 – 10						
	3	Short time delay	3 – 5						
Group 8:	Code	Description	Comments						
Current Ratings		6 A to 63 A	QA36A	L .					
		40 A, 63 A	QA36C						
Group 9:	Code	Description	Comments						
Sensitivity	30 mA	30 mA	Standard						
Group 10:	Code	Description	Commen	its					
Voltage	415 V	415 Vac							
Group 11 Future Use	Code	Description	Commen	its					
	-	Not applicable	For future	use					
Group 12 Future Use	Code	Description	Commen	its					
	-	Not applicable	For future	use					
Group 13 Future Use	Code	Description	Commen	its					
Future Use	-	Not applicable	For future use						

For options not listed, please contact CBI



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* The published time delay curves are generated at 30°C ambient temperature with the Circuit Breaker mounted in the up-right position. The "must hold", "must trip" and "instantaneous trip" current values are not affected by temperature, although delay time for the other operating current values may have to be adjusted using the temperature compensation curve which is available on request.

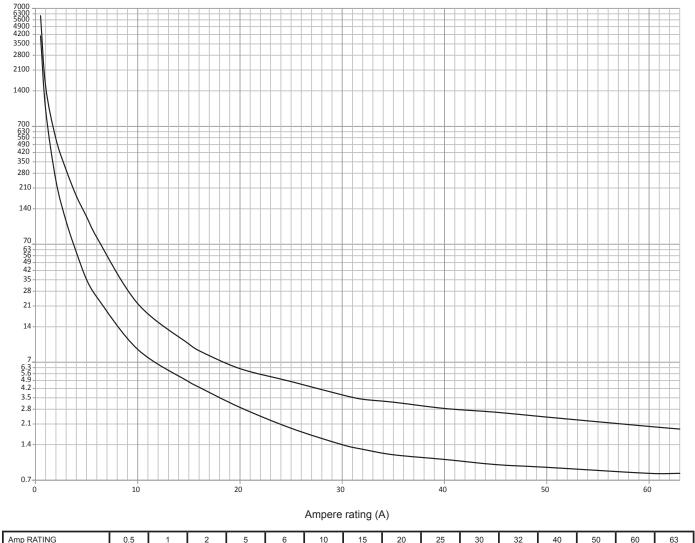
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Resistance Curve

Resistance ($m\Omega$)



Amp RATING	0.5	1	2	5	6	10	15	20	25	30	32	40	50	60	63
MINIMUM (mΩ)	4085	970	244	35	25	9.0	4.8	2.9	1.9	1.4	1.3	1.1	0.9	0.8	0.8
MAXIMUM (mΩ)	6065	1527	550	120	80	22	10	6.2	4.8	3.7	3.4	2.8	2.4	2.0	1.9

electric low voltage

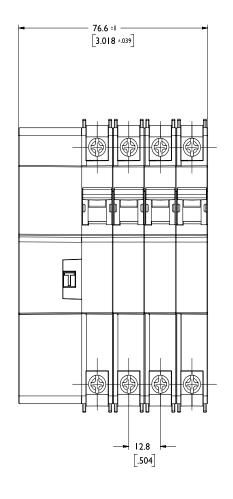
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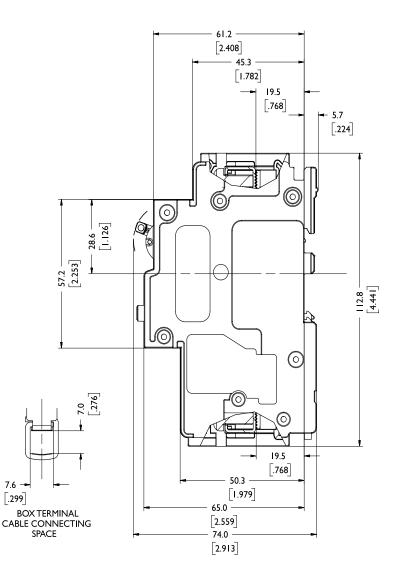
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Outline Dimensions: Dual (DIN & Mini Rail) Mount





TOLERANCE ±0.4 UNLESS OTHERWISE SPECIFIED (DIMENSION IN BRACKETS ARE IN INCH)

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