

Technical Data Sheet

Document Ref: QAP050 Version No: V3

Date: 29/1/21 Owned by: Paul Marland

LOADLIMITER 63 AFDD 3 MODULE

Main Features

- Meets the requirements of BSEN 62606 & BSEN 61009-1
- Single Pole and Switch Neutral configuration
- Complete protection: RCBO & AFDD in one device
- LED indication of various faults
- Overcurrent and short circuit protection of both poles
- Triple module: Type A
- 10kA Rated breaking capacity
- Rated voltage 240V and rated frequency 50Hz
- Maximum cable termination capacity is 25mm²
- Maximum terminal torque is 3Nm

CATALOGUE NUMBERS

Current	Sensitivity	В Туре	C Type
Rating (A)	(mA)	Product Code	Product Code
6	30	KAR2PB0630A	KAR2PC0630A
10	30	KAR2PB1030A	KAR2PC1030A
16	30	KAR2PB1630A	KAR2PC1630A
20	30	KAR2PB2030A	KAR2PC2030A
32	30	KAR2PB3230A	KAR2PC3230A



Rated voltage 240 V AC
Rated residual operating current 30mA
Rated frequency 50Hz
Type A
Tripping characteristics B,C
Rated short-circuit capacity 10kA
Rated insulation voltage 440V

Rated impulse withstand voltage 4kV (1,2/50ms)

Peak withstand current 3kA (8/20ms) surge current proof

180V

10,000

Voltage range test circuit 135-264V

Minimum operating voltage for AFDD function

Rated residual making
and breaking capacity 4500A
Max back up fuse 100A gG
Insulating class B
Mechanical endurance 20,000

Electrical endurance Degree of protection IP30

Supply possibility

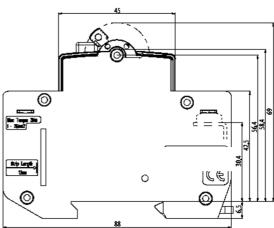
Resistance to vibrations acc. to IEC 60068-2-7

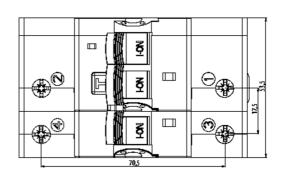
Top or bottom

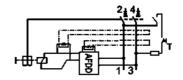
5g (10,60 & 500Hz)

In [A]	Power dissipation	Rh	Rh/pole					
	P/pole [W]	[mΩ]	[mΩ]					
6	1,5 - 1,7	126	63					
10	1,6-1,8	86	43					
13	1,8 - 2,0	60	30					
16	1,9 - 2,2	48	24					
20	2,2 - 2,4	40	20					
25	2,8 - 3,1	34	17					
32	4,0 - 4,4	24	12					











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Datasheet version: V1 Date: 11/2/21 Issued by: PM

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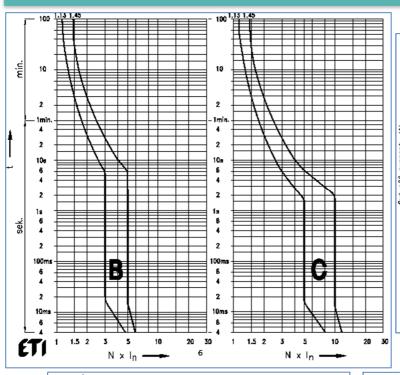


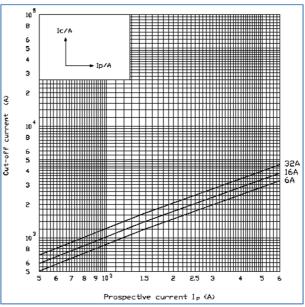
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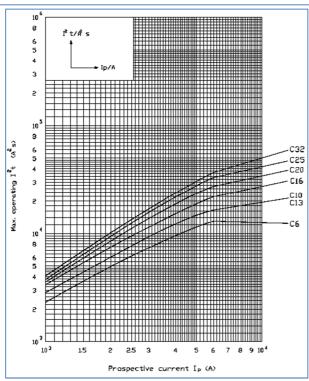
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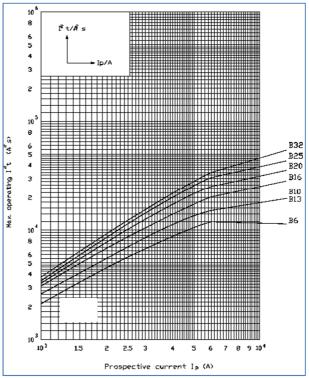
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Fault Indication Sequence

Condition	LED Flashing sequence repeats every 1,5 sec for next 25 sec after powering up													After 25 sec										
Series Arc Fault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Parallel Arc Fault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Over Voltage Fault	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0		0		0	0	0	0	
Self-Test Fault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
No Fault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0)



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