



中国国家强制性产品认证证书

证书编号: 2018010307113490

委托人名称、地址

伊顿电气集团

1000 Cherrington Parkway Moon Township, PA 15108, USA

生产者(制造商)名称、地址

伊顿电气集团

1000 Cherrington Parkway Moon Township, PA 15108, USA

生产企业名称、地址

Cutler Hammer Industries, LTD

Parque Industrial Itabo KM 18 Carretera SanchezHaina, DR 33166-6503

产品名称和系列、规格、型号

塑料外壳式断路器

PDG2; 详见参数附件

产品标准和技术要求

GB/T14048.2-2008

上述产品符合强制性产品认证实施规则 CNCA-C03-02:2014 的要求,
特发此证。

发证日期: 2018 年 09 月 12 日 有效期至: 2023 年 09 月 12 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 www.cnca.gov.cn 查询



主 任:



中国质量认证中心



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2018010307113490

NAME AND ADDRESS OF THE APPLICANT

Eaton Electrical Inc.
1000 Cherrington Parkway Moon Township, PA 15108, USA

NAME AND ADDRESS OF THE MANUFACTURER

Eaton Electrical Inc.
1000 Cherrington Parkway Moon Township, PA 15108, USA

NAME AND ADDRESS OF THE FACTORY

Cutler Hammer Industries, LTD
Parque Industrial Itabo KM 18 Carretera SanchezHaina, DR 33166-6503

PRODUCT NAME, MODEL AND SPECIFICATION

Moulded Case Circuit-breakers
PDG2; See the Appendix

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB/T14048.2-2008

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO.CNCA-C03-02:2014).

Valid from: Sep.12,2018

Valid until: Sep.12,2023

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE



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纸 号: 2041981

PDG2

额定绝缘电压(U_i): 800V(热磁式), 690V(电子式);

额定冲击耐受电压(U_{imp}): 8kV(热磁式)/6kV(电子式);

额定工作电压(U_e): AC230/240V, AC400/415V, AC440V, AC480V,

AC500/525V, AC690V, DC125/250V;

额定电流(I_n):

15A, 20A, 25A, 30A, 35A, 40A, 45A, 50A, 60A, 70A, 80A, 90A, 100A, 110A, 125A, 150A, 175A,

200A, 225A(热磁式); 60A, 100A, 150A, 225A(电子式);

过电流脱扣器类型: 热磁式, 电子式;

I_{cs} : 见表 1;

I_{cu} : 见表 1;

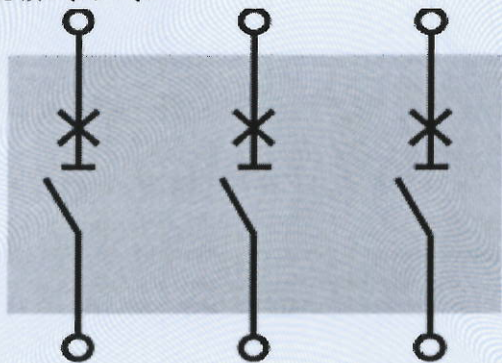
使用类别: A;

频率: 50/60Hz;

适用于隔离;

极数: 3P;

直流接线方式:



注: 单极额定电压125V, 二极串额定电压250V, 二极串为任意二极串联, 正负极性不分

注: 此附录与证书同时使用时有效。



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符合附录 N 的电子附件:

欠压脱扣器 UVR: U_s : DC12V, DC24V, DC48V, DC60V, DC125V, DC250V,
AC24V, AC110-130V, AC208-240V, AC380-440V, AC480-525V, AC600V;

分励脱扣器 ST: U_s : DC12V, AC/DC24V, DC48V, DC60V,
DC125/AC110-130V, DC250V/AC200-240V,

AC380-440V, AC480-525V, AC600V;

配用的辅助报警触头 (1NO, 1NC, 1NO1NC):

I_{th} : 4A;

U_i : 630V;

AC-15: 230V/4A, 500V/1A, 600V/0.6A;

DC-13: 220V/0.3A;

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表 1

Type	V AC	kA Icu	kA Ics	VDC*	kA Icu*	kA Ics*
PDG2						
F	230/240	35	35	125 250(2pole in series)	10	10
	400/415	25	25			
	440	25	20			
	480	20	20			
	500/525	18	15 (TM) 13(ETU)			
	690	-	-			
G	230/240	55	55	125 250(2pole in series)	10	10
	400/415	36	36			
	440	30	22.5			
	480	25	20			
	500/525	20	15 (TM) 13(ETU)			
	690	8	4			
K	230/240	85	85	125 250(2pole in series)	10	10
	400/415	50	50			
	440	35	35			
	480	35	22.5			
	500/525	30 (TM) 25(ETU)	15 (TM) 13(ETU)			
	690	10	5			
M	230/240	100	100	125 250(2 pole in series)	22	22
	400/415	70	53			
	440	50	40			
	480	50	30			
	500/525	30 (TM) 25(ETU)	15 (TM) 13(ETU)			
	690	10	5			
N	230/240	150	100	125 250(2pole in series)	22	22
	400/415	70	70			
	440	70	50			
	480	65	40			
	500/525	30 (TM) 25(ETU)	15 (TM) 13(ETU)			
	690	10	5			
P	230/240	200	150	125 250(2pole in series)	22	22
	400/415	100	70			
	440	100	65			
	480	65	40			
	500/525	35 (TM) 25(ETU)	18 (TM) 13(ETU)			
	690	10	5			

Notes*: 250VDC interruption rating should be 2P in series, 125VDC interruption rating should be 1P.

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型号的解释:

MCCB - Thermal Magnetic Trip Unit

Digit	Values	Description
I Circuit breaker type	PDG2	Circuit breaker
II Pole Types	3	Three pole
III Breaking Capacity @ 415V* [Refer Table 1 for breaking capacity at other voltages]	F G K M N P	25 kA 36 kA 50 kA 70 kA 70kA 100 kA
IV Rated Current A	0015 0020 0025 0030 0035 0040 0045 0050 0060 0070 0080 0090 0100 0110 0125 0150 0175 0200 0225	15 A 20 A 25 A 30 A 35 A 40 A 45 A 50 A 60 A 70 A 80 A 90 A 100 A 110 A 125 A 150 A 175 A 200 A 225 A
V Trip Unit Type	T V F	Thermal Magnetic trip unit Trip unit 50° C calibration Frame Only
VI Thermal Adjustment	F N	Fixed Thermal None
VII Mag Adjustment	F N	Fixed Mag None
VIII Terminal Type		See table 5

注: 此附录与证书同时使用时有效。



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MCCB – Electronic Trip Unit (PXR10)

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I II III IV V VI VII VIII

Digit	Values	Description
I Circuit breaker type	PDG2	Globally rated / UL Standard
II Pole types	3	Three pole
III Breaking Capacity @ 415V* [Refer Table 1 for breaking capacity at other voltages]	F	25 kA
	G	36 kA
	K	50 kA
	M	70 kA
	N	70 kA
IV Rated Current A	P	100 kA
	0060	60 A
	0100	100 A
	0150	150 A
V Trip Unit Type	0225	225 A
	B	PXR 10
VI Electronic Protection type	F	Frame Only
	2	LSI
VII Electronic Options	N	None
	N	None
VIII Terminal Type		See table 5

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MCCB - Electronic Trip Unit (PXR 20, PXR20D, PXR25)

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I II III IV V VI VII VIII

Digit	Values	Description
I Circuit breaker type	PDG2	Globally rated / UL Standard
II Pole types	3	Three pole
III Breaking Capacity @ 415V*	F	25 kA
	G	36 kA
	K	50 kA
	M	70 kA
	N	70 kA
{Refer Table 1 for breaking capacity at other voltages}	P	100 kA
	0060	60 A
	0100	100 A
	0150	150 A
	0225	225 A
IV Rated Current A	D	PXR 20D
V Trip Unit Type	E	PXR 20
	P	PXR 25
	F	Frame Only
	2	LSI
VI Electronic Protection type	3	LSIG
	4	LSI w/ARMS
	5	LSIG w/ARMS
	N	None
	N	None
VII Electronic Options	R	Relays
	Z	ZSI / Relays
	M	Modbus / relays
	C	CAM / Relays
	D	Modbus / Relays / CAM
	W	ZSI / Modbus / Relays
	X	ZSI / CAM / Relays
	Y	ZSI / Modbus / Relays / CAM
VIII Terminal Type		See table 5

Note:

L-long time delay(长延时)

S-short time delay (短延时)

I-Instantaneous (瞬时)

G-Ground fault(接地保护)

w/ARMS- Arc Flash Reduction Maintenance System (灭弧维护系统) (此功能未经验证)

其中, 型号解释第 VII 位功能未经验证。

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4) MCS (Molded case switch)

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I	II	III	IV	V	VI
Digit	Values		Description		
I Circuit breaker type	PDG2		Circuit breaker		
II Pole Types	3		3 pole		
III Breaking Capacity @ 415V*[Refer Table 1 for breaking capacity at other voltages]	G		36 kA		
	M		70 kA		
IV Rated Current A	0100		100 A		
	0150		150 A		
	0225		225 A		
V	KNS		Molded case switch		
VI Terminal Type			See table 5		

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5) MCP (Motor Protection)

Frame	Mag Range (A)	Cont Amps (A)	New Cat Number
PDG2	9-30	3	PDG23M0003MSAJ
			PDG23M0003MRAJ
PDG2	21-70	7	PDG23M0007MSAJ
			PDG23M0007MRAJ
PDG2	45-150	15	PDG23M0015MSAJ
			PDG23M0015MRAJ
PDG2	90-300	30	PDG23M0030MSAJ
			PDG23M0030MRAJ
			PDG23M0030MxAJ
PDG2	150-500	50	PDG23M0050MSAJ
			PDG23M0050MRAJ
PDG2	210-700	70	PDG23M0070MSAJ
			PDG23M0070MRAJ
			PDG23M0070MxAJ
PDG2	300-1000	100	PDG23M0100MSAJ
			PDG23M0100MRAJ
			PDG23M0100MxAJ
PDG2	450-1500	150	PDG23M0150MSAJ
			PDG23M0150MRAJ
PDG2	750-2500	150	PDG23M0150MHAJ
			PDG23M0150MMAJ
PDG2	40-60	25	PDG23M0025MLAJ
PDG2	80-120	50	PDG23M0050MLAJ
PDG2	115-170	70	PDG23M0070MLAJ
PDG2	160-240	100	PDG23M0100MLAJ

注: 此附录与证书同时使用时有效。



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6). Frame

□ □ □ □ □ □ □ □
I II III IV V VI VII

Digit	Values	Description
I Circuit breaker type	PD	Circuit Breaker
II Standard	G	Global
III Frame Size	2	Frame 2
IV Pole Types	3	Three pole
V Breaking Capacity @ 480V	X	65 kA and Below
	Y	100 kA and below
	Z	Above 100 kA
VI Rated Current A	015	015
	020	020
	025	025
	030	030
	035	035
	040	040
	045	045
	050	050
	060	060
	070	070
	080	080
	090	090
	0100	0100
	0110	0110
	0125	0125
VII Type	XPP	TM Frame
	Z1P	PXR10 LI Parent BIN
	Z2P	PX B2N
	X2P	PXR 20 LSI
	X3P	PXR 20 LSI G
	Y2P	PXR 20D / 25 LSI
	Y3P	PXR 20D / 25 LSI G

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Table 5: Terminal Types

VIII Terminals	N	None
	M	None - Metric Tapped Conductors
	S	Screw Terminals/End Cap Kits (for Ring Terminals or Bus Connection)
	Q	Extended Housing / Screw
	J	Standard-Option 1 (Line / Load)
	K	Standard-Option 1 (Line only)
	L	Standard-Option 1 (Load only)
	T	Option 2 (Line / Load)
	U	Option 2 (Line only)
	V	Option 2 (Load only)
	W	Option 3-NonAluminum (Line / Load)
	Y	Option 3-NonAluminum (Line only)
	Z	Option 3-NonAluminum (Load only)
	A	Strandable Terminals Line/Load
	B	Strandable Terminals Line
	C	Strandable Terminals Load
	G	Multi-Tap 6-wire terminals Load / Option 1 Line
	H	Multi-Tap 3-wire terminals Load / Option 1 Line
	R	Rear Terminals/Connectors
	P	Plug-in Ready (plug in terminals installed) C - Plug-in Ready)
	X	Special Terminals - Cat # digits 19-20
	1	Control Wire Option 1 Line/Load
	2	Control Wire Option 1 Line
	3	Control Wire Option 1 Load
	4	Control Wire Option 2 Line/Load
	5	Control Wire Option 2 Line
	6	Control Wire Option 2 Load
	7	Control Wire Option 3 Line/Load
	8	Control Wire Option 3 Line
	9	Control Wire Option 3 Load

注: 此附录与证书同时使用时有效。



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2). Accessories

a) UVR/ST

□□□□ □ □ □□□ □
I II III IV V

Digit	Values	Description
I	PDG2	Circuit breaker
II	x	Accessory
III	ST	Shunt Trip
	UV	Under-voltage Release
IV	See below table	
V	S	Install Code: Screw type for ST
	T	Install Code: Pigtail 0.75m for ST
	R	Install Code: Pigtail 3m for ST
	V	Install Code: Screw type for UVR
	U	Install Code: Pigtail 0.75m for UVR
	W	Install Code: Pigtail 3m for UVR

Values	Description (UVR)	Values	Description (ST)
600AC	600VAC	600AC	600VAC
525AC	480-525VAC	525AC	480-525VAC
440AC	380-440VAC	440AC	380-440VAC
240AC	208-240VAC	250ACDC	200-240VAC/250VDC
130AC	110-130VAC	130ACDC	110-130VAC/ 125VDC
24AC	24VAC	24ACDC	24VAC/DC
250DC	250VDC	60DC	60VDC
125DC	125VDC	48DC	48VDC
60DC	60VDC	12DC	12VDC
48DC	48VDC		
24DC	24VDC		
12DC	12VDC		

注: 此附录与证书同时使用时有效。



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b) Rotary Handle

□□□□ □ □ □□□□ □
I II III IV V

Digit	Values	Description
I	PDG2	Circuit breaker
II	X	Accessory
III	HMC	Direct Rotary Handle
	HMD	Door Rotary Handle
IV	S	Standard Basic Function
	E	Emergency Basic Function
	SN	Standard Door Interlock
	EN	Emergency Door Interlock
	SP	Standard Mechanical Padlock
	EP	Emergency Mechanical Padlock
	SK	Standard Mechanical Keylock
	EK	Emergency Mechanical Keylock
	SNP	Standard Door interlock & Mechanical Padlock
	ENP	Emergency Door interlock & Mechanical Padlock
	SNK	Standard Door interlock & Mechanical keylock
	ENK	Emergency Door interlock & Mechanical keylock
V	HA	Standard Lockable handle (Direct)
	HIB	Standard With door interlock (Direct)
	HIC	Standard With mech padlock (Direct)
	HD	Standard With mech keylock (Direct)
	HE	Standard With door interlock and mech padlock (Direct)
	HF	Standard With door interlock and mech keylock (Direct)
	H1	Emergency Lockable handle (Direct)
	H2	Emergency With door interlock (Direct)
	H3	Emergency With mech padlock (Direct)
	H4	Emergency With mech keylock (Direct)
	H15	Emergency With door interlock and mech padlock (Direct)
	H6	Emergency With door interlock and mech keylock (Direct)
	DA	Standard Lockable handle (Door)
	DB	Standard With door interlock (Door)
	DC	Standard With mech padlock (Door)
	DD	Standard With mech keylock (Door)
	DE	Standard With door interlock and mech padlock (Door)
	DF	Standard With door interlock and mech keylock (Door)
	D1	Emergency Lockable handle (Door)
	D2	Emergency With door interlock (Door)
	D3	Emergency With mech padlock (Door)
	D4	Emergency With mech keylock (Door)
	D5	Emergency With door interlock and mech padlock (Door)
	D6	Emergency With door interlock and mech keylock (Door)

注: 此附录与证书同时使用时有效。



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c) Terminal Cover

□□□□ □ □ □□□□ □
I II III IV V

Digit	Values	Description
I	PDG2	Circuit breaker
II	X	Accessory
III	TC	Terminal Cover
IV	3P	3 Pole

d) Alarm switch (CCC 证书编号: 2018010305098704)

PDG2 □ □ □□
I II III IV

Digit	Values	Description
I	PDG2	Circuit breaker
II	X	Accessory
III	ALM	PXR Alarm switch
IV	BC	1CO, Pigtail 0.75m,
	EC	1CO, Pigtail 3m,

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