



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000084

Applicant Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)

Address Oxford Street West, Ashton-Under-Lyne, Lancashire, OL7 0NA, UK

Manufacturer Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)

Address Oxford Street West, Ashton-Under-Lyne, Lancashire, OL7 0NA, UK

Production Factory Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)

Production Address Oxford Street West, Ashton-Under-Lyne, Lancashire, OL7 0NA, UK

Product The Power Ex Range Of In-line Plug & Socket Connectors

Model/Type Ex 32, Ex 40, Ex 50, Ex 63, Ex 75

Ex marking Ex d IIC T6/T5 Gb, Ex d IIB+H₂ T6/T5 Gb, Ex tD A21 IP66/67 T80/ T95°C

Reference Standards GB3836.1-2010, GB3836.2-2010, GB12476.1-2013, GB12476.5-2013

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance
 The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages).

Issued on: 2021-04-26

Valid to: 2026-04-25

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



<http://www.ccc-cnex.com>
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CN 0000611



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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Product information:

1. This certificate covers the following models:

- Ex 32, Ex 40, Ex 50, Ex 63, Ex 75

Parameters:

POWEREX	Pin configuration	Upper Ambient Temperature of + 40°C		Upper Ambient Temperature of + 50°C		Upper Ambient Temperature of +60°C		Recommended Max Voltage AC/DC	
		T6/ T80 °C	T5/ T95 °C	T6/ T80 °C	T5/ T95 °C	T6/ T80 °C	T5/ T95 °C		
Connector size		Maximum Current Per Contact Amps		Maximum Current Per Contact Amps		Maximum Current Per Contact Amps			
EX32									
1x 50 mm ² + Grd	1x1/0MCM + Grd	190	190	175	190	120	175	750	
1x 70 mm ² + Grd	1x2/0MCM + Grd	230	240	200	240	139	200	750	
1x 95 mm ² + Grd	1x3/0MCM + Grd	269	290	235	290	162	235	750	
1x120 mm ² + Grd	1x250MCM + Grd	290	339	255	329	177	256	750	
1x150 mm ² + Grd	1x300MCM + Grd	318	368	278	258	192	279	750	
Ex40									
1x185 mm ² + Grd	1x400MCM + Grd	363	423	320	405	226	320	750	
1x240 mm ² + Grd	1x500MCM + Grd	395	460	348	440	245	348	750	
Ex50									
3x50 mm ² + Grd	3x1/0MCM + Grd	129	151	113	144	80	113	750	
3x70 mm ² + Grd	3x2/0MCM + Grd	149	174	131	166	92	131	750	
4x50 mm ² + Grd	4x1/0MCM + Grd	112	131	98.5	125	69	98	750	
4x70 mm ² + Grd	4x2/0MCM + Grd	129	151	113	144	80	113	750	
1x185 mm ² + Grd	1x400MCM + Grd	389	440	342	435	242	342	750	

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1x240 mm ² + Grd	1x500MCM + Grd	423	495	372	473	263	372	750
Ex63								
3x95 mm ² + Grd	3x3/0MCM + Grd	188	221	166	210	117	166	750
3x120 mm ² + Grd	3x250MCM + Grd	205	240	181	229	127	181	750
3x150 mm ² + Grd	3x300MCM + Grd	223	261	196	249	138	196	750
4x95 mm ² + Grd	4x3/0MCM + Grd	163	190	144	182	101	144	750
4x120 mm ² + Grd	4x250MCM + Grd	177	208	156	198	110	156	750
4x150 mm ² + Grd	4x300MCM + Grd	193	226	170	216	120	170	750
1x300 mm ² + Grd	1x600MCM + Grd	590	590	535	590	377	535	750
1x400 mm ² + Grd	1x800MCM + Grd	670	670	592	670	417	592	750
Ex75								
3x185 mm ² + Grd	3x400MCM + Grd	266	311	235	297	165	235	750
3x240 mm ² + Grd	3x500MCM + Grd	289	338	255	323	180	255	750
4x185 mm ² + Grd	4x400MCM + Grd	231	269	203	257	143	203	750
4x240 mm ² + Grd	4x500MCM + Grd	251	293	221	280	155	221	750
1x500 mm ² + Grd	1x1000MCM + Grd	720	720	720	720	509	720	750
1x630 mm ² + Grd	1x1000MCM + Grd	780	780	780	780	557	780	750

Contact Size	Combined Cable and Contact Resistance (Ohms)	Contact Current Rating (Amps)
50 mm ²	0.000514	190
70 mm ²	0.000387	240
95 mm ²	0.000283	290
120 mm ²	0.000239	340
150 mm ²	0.000202	385
185 mm ²	0.00017	440
240 mm ²	0.000144	520
300 mm ²	0.000082	590
400 mm ²	0.000067	670
500 mm ²	0.000054	720

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630 mm ²	0.000045	780
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Ex marking: Ex d IIC T6/T5 Gb, Ex d IIB+H₂ T6/T5 Gb,
Ex tD A21 IP66/67 T80/ T95°C (Ta: -40°C...+40/50/60°C)

Note: Refer to the above parameter table for the correspondence between the upper ambient temperature and the temperature group/maximum surface temperature.

- Producers should organize production in accordance with the technical documents approved by the certification body.
2. Specific conditions of safety use:
- These connectors must be electrically isolated before any attempt is made to remove the covers or join or separate the two halves.
 - When separated the metal flameproof caps (not the acetal environmental caps) shall be fitted and locked before any associated supply cables are re-energised.
 - The cable entry devices selected for use with the in-line connectors shall provide a mechanical cable retention facility appropriate to the cable type and conditions of service.
 - When used in dust environments the cable entry threads shall be sealed in accordance with the installation code of practice to ensure that an ingress protection level of IP6X is maintained.
 - Flameproof joints are not intended to be repaired.
 - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2010C058
 - Factory inspection report: CN2020Q010190
4. Certificate change information: None

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