CERTIFICATE

Issued to:

Applicant:
Zhuhai Telehof Electrics Company Limited
No.6 Jinhua Road, Xiaolin, Hongqi Town, Jinwan District,
519090 Zhuhai City, Guangdong, China

Licensee:
Zhuhai Telehof Electrics Company Limited
No.6 Jinhua Road, Xiaolin, Hongqi Town, Jinwan District,
519090 Zhuhai City, Guangdong, China

Product	:	Surge Protective Devices
Trade name(s)	:	Telebahn
Type(s)/model(s)	:	BT PCM TNC xyz (RM), BT PCM TNS xyz (RM), BT PCM TN xyz (RM), BT PCM TT 1+1 xyz (RM), BT PCM TT 3+1 xyz (RM) and BT PCM xyz (RM)

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard(s) EN 61643-11:2012 and EN 61643-11:2012/A11:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 4342535

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 8 March 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-104865 REV.1

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

K Xu
Certification Manager

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Surge Protective Devices
Trade name(s)	:	Telebahn
Type(s)/model(s)	:	BT PCM TNC xyz (RM), BT PCM TNS xyz (RM), BT PCM TN xyz (RM), BT PCM TT 1+1 xyz (RM), BT PCM TT 3+1 xyz (RM) and BT PCM xyz (RM)
NOTE 1	:	xyz could be 150, 275, 320 or 385 which corresponds to the voltage rating
NOTE 2	:	RM represents the remote signaling function offered
Number of port(s)	:	One
SPD type (Test class)	:	Type 2 (II)
Short-circuit current rating (Isccr)	:	1500 A
Maximum overcurrent protection (fuse)	:	125 A gL/gG
Connection	:	1,5 mm² to 25 mm² for solid conductor or 1,5 mm² to 35 mm² for stranded conductor

Product data – type BT PCM TN xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~
Nominal discharge current (In 8/20µs)	:	20 kA
Maximum discharge current (Imax 8/20µs)	:	40 kA
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV
Mode of protection	:	L-PE and N-PE
Number of pole(s)	:	2

Product data – type BT PCM TNC xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~
Nominal discharge current (In 8/20µs)	:	20 kA
Maximum discharge current (Imax 8/20µs)	:	40 kA
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV
Mode of protection	:	L-PEN
Number of pole(s)	:	3

Product data – type BT PCM TNS xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~
Nominal discharge current (In 8/20µs)	:	20 kA
Maximum discharge current (Imax 8/20µs)	:	40 kA
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV

Mode of protection	:	L-PE and N-PE
Number of pole(s)	:	4

Product data – type BT PCM TT 1+1 xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting, Voltage switching
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~ (L-N), 255 V~ (N-PE)
Nominal discharge current (In 8/20µs)	:	20 kA (L-N), 40 kA (N-PE)
Maximum discharge current (Imax 8/20µs)	:	40 kA (L-N), 65 kA (N-PE)
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV (L-N), 1,8 kV (N-PE)
Mode of protection	:	L-N and N-PE
Number of pole(s)	:	2

Product data – type BT PCM TT 3+1 xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting, Voltage switching
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~ (L-N), 255 V~ (N-PE)
Nominal discharge current (In 8/20µs)	:	20 kA (L-N), 40 kA (N-PE)
Maximum discharge current (Imax 8/20µs)	:	40 kA (L-N), 65 kA (N-PE)
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV (L-N), 1,8 kV (N-PE)
Mode of protection	:	L-N and N-PE
Number of pole(s)	:	4

Product data – type BT PCM xyz (RM)

Description	:	xyz = 150, 275, 320 or 385
SPD design topology	:	Voltage limiting
Maximum continuous operating voltage (Uc)	:	150/275/320/385 V~
Nominal discharge current (In 8/20µs)	:	20 kA
Maximum discharge current (Imax 8/20µs)	:	40 kA
Voltage protection level (Up)	:	0,9/1,3/1,5/1,8 kV
Mode of protection	:	L-N/L-PE
Number of pole(s)	:	1

TESTS

Test requirements

EN 61643-11:2012
EN 61643-11:2012/A11:2018

Test result

The test results are laid down in DEKRA test file 602313000, 615297700.

Additional information
This certificate replaces certificate No. 31-104865 which we hereby declare invalid.

The list of components is laid down in test report 6023130.50 to 6023130.54.

Conclusion
The examination proved that all requirements were met.

Factory location
Zhuhai Telehof Electrics Company Limited
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Trade name(s): Telebahn stands for Telebahn®