



**BUREAU  
VERITAS**

# Zertifikat Certificate

**Zertifikatsinhaber:**  
*Holder of certificate:*

**LIEBERT Corp.**  
975 Pittsburgh Drive; Delaware  
Ohio 43015, USA

**Fertigungsstätte:**  
*Factory:*

**Factory 1: Knürr s.r.o**  
Nisovice 9  
38701 Volyne  
CZECH REPUBLIC

**Factory 2: Benchmark Electronics (Suzhou) Co., Ltd.**  
111 Ting Lan Lane, Suzhou Industrial Park  
Suzhou Jiangsu 215026  
CHINA

**Produkt-Typ:**  
*Product type:*

**Managed Rack Power Distribution Units**

**Modell:**  
*Model:*

**MPHvwxy(-z)**  
w: 2  
(See annex for explanation of model variants.)

**Nenndaten:**  
*Ratings:*

Siehe Anhang  
See Annex

**Zulassungszeichen:**  
*Certification mark:*



Repräsentative Testmuster des/der o. g. Modells/Modelle bestanden die Prüfungen nach  
Representative test samples of above stated model(s) passed the tests according to

**Norm:**  
*Standard:*

IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 +AC:2011 + A2:2013

**Bericht Nr.:**  
*Report no.:*

15TH0178-60950\_0

**Zertifikat Nr.:**  
*Certificate no.:*

**16-010**

**Datum:**  
*Issued:*

2016-01-19

**Gültig bis:**  
*Valid until:*

2021-01-18





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## Anhang zu Zertifikat 16-010 *Annex to certificate*

<b>Nomenclature: MPHvwx(-z)</b>			
<b>vwx(-z)</b>	<b>property</b>	<b>value</b>	<b>description</b>
v	metering functions and outlet switchability	- (dash)	elementary; no metering function; no switched outlets
		B	Metered Branch Circuit without electronic assemblies in outlet modules
		C	Metered Branch Circuit & Switched Outlet like R-types, but with reduced number of CTs (only two per outlet module)
		M	Metered Outlet like R-types, but without relays
		R	Metered & Switched Outlet fully assembled with max. number of relays and CTs
w	form factor	2	single height unit
		6	reserved for future use for double height units
x	receptacle types	1...9; A...Z	for future use if not listed below
	for vw = -2 or B2	1	12 x C13
		2	2 x C13 & 6 x C19
		3	8 x C13 & 2 x C19
		4	9 x NEMA 5-20R
	for vw = C2; M2; R2	1	9 x C13
		2	9 x NEMA 5-20R
		3	2 x C13 & 6 x C19
		4	6 x C13 & 2 x C19
		5	6 x C13 & 2 x NEMA 5-20R



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**Anhang zu Zertifikat 16-010**  
*Annex to certificate*

<b>Nomenclature: MPHvwx(-z) (continued)</b>			
<b>vwx(-z)</b>	<b>property</b>	<b>value</b>	<b>description</b>
y	Voltage, Amperage, Plug type (50/60 Hz for all models)	00...ZZ	for future use if not listed below
		01	100 - 120 V; 12 A; 1/N/PE; NEMA 5-15
		02	100 - 120 V; 16 A; 1/N/PE; NEMA 5-20
		03	100 - 120 V; 16 A; 1/N/PE; NEMA L5-20
		04	100 - 120 V; 24 A; 1/N/PE; NEMA L5-30
		11	200 - 240 V; 16 A; 2/PE; NEMA L6-20
		12	200 - 240 V; 24 A; 2/PE; NEMA L6-30
		13	100 - 120/200 - 240 V; 24 A; 2/N/PE; NEMA L14-30
		21	100 - 120/173 - 208 V; 16 A; 3/N/PE; NEMA L21-20
		22	200 - 240 V; 24 A; 3/PE; NEMA L15-30
		23	100 - 120/173 - 208 V; 24 A; 3/N/PE; NEMA L21-30
		24	200 - 240 V; 40 A; 3/PE; CS8365C
		25	200 - 240 V; 48 A; 3/PE; IEC 60309
		26	reserved
		27	200 - 240 V; 16 A; 3/PE; NEMA L15-20
		31	200 - 240/346 - 415 V; 24 A; 3/N/PE; NEMA L22-30
		41	100 - 240 V; 16 A; 1/N/PE; IEC C20 appliance inlet (no cord)
		42	200 - 240 V; 16 A; 1/N/PE; IEC 60309
		43	200 - 240 V; 32 A; 1/N/PE; IEC 60309
		44	200 - 240/346 - 415 V; 16 A; 3/N/PE; IEC 60309
		45	200 - 240/346 - 415 V; 32 A; 3/N/PE; IEC 60309
		50	200 - 240 V; 2/PE; 24 A; Hardwire
		51	reserved
		52	200 - 240 V; 16 A; 3/PE; Hardwire
		53	100 - 120/173 - 208 V; 16 A; 3/N/PE; Hardwire
		54	200 - 240 V; 24 A; 3/PE; Hardwire
		55	100 - 120/173 - 208 V; 24 A; 3/N/PE; Hardwire
		56	200 - 240 V; 48 A; 3/PE; Hardwire
		57	reserved
		58	200 - 240/346 - 415 V; 24 A; 3/N/PE; Hardwire
60	200 - 240 ; 32 A; 1/N/PE; Hardwire		
61	200 - 240/346 - 415 V; 16 A; 3/N/PE; Hardwire		
62	200 - 240/346 - 415 V; 32 A; 3/N/PE; Hardwire		
-z	optional suffix for customized models	000...ZZZ	e.g. fuses instead of CBs