




Zertifikat Certificate

Zertifikatsinhaber: <i>Holder of certificate:</i>	LIEBERT CORP 975 Pittsburgh Drive; Delaware; Ohio 43015 USA	
Handelszeichen: <i>Trademark:</i> (if other than applicant)	Liebert® MPX™	
Fertigungsstätte: <i>Factory:</i>	<p>[1] Emerson Network Power, Knuerr s.r.o, Nisovice 9, 38701 Volyne CZECH REPUBLIC</p> <p>[2] Emerson Network Power, Knuerr s.r.o, Maniny 500, 38701 Volyne CZECH REPUBLIC</p> <p>[3] Emerson Network Power, Av. Industrial Reynosa Lote 12-A, Reynosa Industrial Center, Reynosa, Tamaulipas 88680 MEXICO</p>	
Produkt-Typ: <i>Product type:</i>	IT-Rack PDU (Power Distribution Unit) (Modular Power Distribution System)	
Modell: <i>Model:</i>	System:	MPX0000-abcde
	System components:	MPXxxx-abcdefgh
	Accessories:	RPC-xxxx, RPCBDM-xxxx
Nenndaten: <i>Ratings:</i>	Siehe Anhang See Annex	
Zulassungszeichen: <i>Certification mark:</i>		
Norm: <i>Standard:</i>	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.: <i>Report no.:</i>	12TH0544-60950_1, CBTC_DE9-0146	
Zertifikat Nr.: <i>Certificate no.:</i>	16-029	
Datum: <i>Issued:</i>	2016-08-29	Gültig bis: <i>Vaild until:</i> 2021-08-28

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

Zertifizierungsstelle
Certification Department



Dieter Zitzmann





Anhang zu Zertifikat 16-029

Annex to certificate

Ratings



System components

Frequency (all components):	50/60 Hz
MPXPRC- <u>abcdefgh</u> :	max. 240/415 Vac; 63 A
MPXPEM- <u>abcdefgh</u> :	max. 240 Vac / 16 – 32 A, 240/415 Vac / 16 – 63 A
MPXIPC- <u>abcdefgh</u> :	max. 240 V / 16 – 32 A, 240/415 Vac / 16 – 63 A
MPXBRM- <u>abcdefgh</u> :	max. 240 Vac; max. 20 A per module/branch; max. 10 A or 16 A per outlet
MPXSPD- <u>abcdefgh</u> :	3/N/PE: max. 280V (L to N/PE)

Accessories

RPC- <u>xxxx</u> or RPC2	12 Vdc / 300 mA
RPCBDM- <u>xxxx</u>	12 Vdc / 30 mA

Refer to "General product information" for part number description.

-----Examples-----



PN: 03.910.692.7



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The products are manufactured at the different manufacturing locations as follows:

Reynosa: all products

Nišovice: all products except MPXPRC

Maniny: MPXPRC only



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System components

MPXxxx-abcdefgh

- xxx: system parts:

- **PRC** Power Rail Chassis; distributes intermodule power, communications and serves as the mounting base for all Liebert MPX components.
- **PEM** Power Entry Module; delivers power to the Liebert MPX and includes provisions for remote and local communication options. Detachable and fixed-input cord versions are available. The PEM module includes a switch-mode power supply circuit with SELV output (same circuit as on BRM module but different PCB layout).
- **IPC** Interconnection Power Cord; detachable input power cord required for use with MPXPEM.
- **BRM** Branch Receptacle Module; distributes overload-protected output power to user loads. Hot swappable without current flow design allows for reconfiguration with choice of receptacle type, quantities, and monitoring / control to the receptacle level. The BRM module includes a switch-mode power supply circuit with SELV output (same circuit as on PEM module but different PCB layout).
- **SPD** Surge Protective Device Module; the module contains overall 4 surge protective devices Type II according to EN 61643-11 intended to be used in coordination with SPDs Type I. Protection of 3 phases plus N. (The SPD module is used for EU models only.)

xxx	abcdefgh	property	value	description
PRC	a	mounting	R	rack mounting
			V	vertical mounting
	bcde	mounting or length	XX19	19 inch EIA (rack mounting)
			1035	length in mm
			1880	
		xxxx		
fgh	not used	blank	unused digits of the part number max be left blank or filled with "XXX"	
		XXX		
PEM	a	geogr. region	E	Europe
			N	North America
			I	International
	b	supply capacity	H	fixed
			V	variable
	c	size	A	small, 220 mm
			B	standard, 266 mm
	d	communication	A	Remote PDU Card (RPC-xxxx) installed
			B	Remote PDU Card (RPC2) installed
			E	Elementary
			X	no communication
	ef	input	NQ	power cord without plug; 200 – 240 V; 32 A; 1/N/PE (EU)
			NR	power cord without plug; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)
			NS	power cord without plug; 200-240V; 16 A; 1/N/PE (EU)
			NT	power cord without plug; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)
XA			appliance inlet; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU); 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA)	



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			XF	power cord with plug NEMA L6-30; 200 – 240 V; 24 A; 2/PE (US/CA/JP)
			XH	power cord with plug NEMA L21-30; 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA/JP)
			XI	power cord with plug NEMA L22-30; 200 – 240/346 - 415V; 24 A; 3/N/PE (US/CA)
			XJ	power cord with plug NEMA L15-30; 200 – 240 V; 24 A; 3/PE (US/CA/JP)
			XM	power cord with plug NEMA L7-30; 200 – 240 V; 24 A; 1/N/PE (US/CA)
			XQ	power cord with plug IEC 60309; 200 – 240 V; 32 A; 1/N/PE (EU)
			XR	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)
			XS	power cord with plug IEC 60309; 200 – 240 V; 16 A; 1/N/PE (EU)
			XT	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)
			XV	power cord with plug CA-Style CS8365C; 200 – 240 V; 40 A; 3/PE (US/CA/JP)
			XW	power cord with plug IEC 60309; 100 – 120/173 – 208 V; 48 A; 3/N/PE (US/CA)
			XX	power cord with plug IEC 60309; 200 – 240 V; 48 A; 3/PE (US/CA)
			XY	power cord with plug IEC 60309; 200 – 240/346 - 415 V; 48 A; 3/N/PE (US/CA)
			XZ	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 63 A; 3/N/PE (EU)
	gh	power cord length	xx	length in decimeters (w/o fix power cord), max. 6 m (see examples below)
			30	3.05m (10 ft.)
			50	5m
			60	6m
IPC	a	geogr. region	E	Europe
			N	North America
			I	International
	bc	Plug Type	XC	NEMA L5-20P; 100 – 120 V; 16 A; 1/N/PE (US/CA/JP)
			XD	NEMA L5-30P; 100 – 120 V; 24 A; 1/N/PE (US/CA/JP)
			XE	NEMA L6-20P; 200 – 240 V; 16 A; 2/PE (US/CA/JP)
			XF	NEMA L6-30P; 200 – 240 V; 24 A; 2/PE (US/CA/JP)
			XG	NEMA L21-20P; 100 – 120/173 – 208 V; 16 A; 3/N/PE (US/CA/JP)
			XH	NEMA L21-30P; 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA/JP)
			XI	NEMA L15-20P; 200 – 240 V; 16 A; 3/PE (US/CA/JP)
			XJ	NEMA L15-30P; 200 – 240 V; 24 A; 3/PE (US/CA/JP)
			XK	NEMA L14-20P; 100 – 120/200 – 240 V; 16 A; 2/N/PE (US/CA/JP)
			XL	NEMA L14-30P; 100 – 120/200 – 240 V; 24 A; 2/N/PE (US/CA/JP)
			XM	NEMA L22-30P; 200 – 240/346 – 415 V; 24 A; 3/N/PE (US/CA)



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			XQ	IEC 60309; 200 – 240 V; 32 A; 1/N/PE (EU)
			XR	IEC 60309; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)
			XT	IEC 60309; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)
	de	cord length	xx	length in decimeters, max. 3 m (see examples below)
			30	3.05 m/10 ft (length in decimeters)
	fgh	not used	XXX	
BRM	a	geogr. region	E	Europe
			N	North America
			I	International
	b	type	B	Branch monitoring
			R	Receptacle management
			E	Elementary
	c	size	A	small, 220 mm
			B	standard, 266 mm
			C	standard w/ tamper-proof screws
	d	ratings	A	100 – 120 V; 16 A; 1/N/PE
			B	208 V; 16 A; 2/PE
			C	200 – 240 V; 20 A; 1/N/PE
			D	200 – 240 V; 16 A; 2/PE
			E	100 – 120 V; 20 A; 1/N/PE
			F	240 V; 16 A; 1/N/PE
			G	200 – 240 V; 20 A; 1/N/PE
			H	200 – 240 V; 5 A; 1/N/PE; with fuse
			I	200 – 240 V; 32 A; 1/N/PE
			J	346 – 415 V; 32 A; 3/N/PE
			S	SFA (special feature authorization)
	e	no. of outputs	1..9	number of receptacles
	f	receptacle type	A	NEMA 5-20R
			B	NEMA L5-20R
			C	reserved
			D	NEMA L6-20R
			E	reserved
			F	reserved
			G	reserved
			H	reserved
			I	reserved
			J	reserved
			K	reserved
L			reserved	
M			IEC60320-C13+C19 mix	
N			IEC C13 sheet F (IEC 60320); 10 A (EU) 12 A (NA)	
O			IEC C19 sheet J (IEC 60320)	
P	CEE-7 Type F (Schuko)			
Q	CEE 1x 32 A			
R	CEE 3x 32 A			
S	SEV 1011 Type 23 (Swiss)			
T	BS 1363 Type G (British)			



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			U	GST18
	gh	phase configuration	1N; 2N; 3N	L1-N; L2-N; L3-N
			12; 23; 31	L1-L2; L2-L3; L3-L1
			XN	User-configurable L-N
			XX	User-configurable L-L
			N3	Line 1, 2, 3-Neutral
SPD	a	geogr. region	E	Europe
			N	(reserved for future use)
	bdefgh	type	0000001	Type 2, 4P + PE

Accessories

- **RPC-xxxx or RPC2** **Rack PDU (Power Distribution Unit) Card**
Optional network interface card to manage and monitor power distribution to connected equipment; installed in MPXPEM communication card slot. Allows interconnection for multiple MPXs and management from a single network connection. Also different sensors can be connected, to measure temperature, humidity etc. Testing of RPC-xxxx/RPC2 is included in this report as part of the PEM module; RPC-xxxx/RPC2 is connected to the SELV output of PEM.
- **RPCBDM-xxxx** **Basic Display Module (for use with RPC-xxxx/RPC2)**
Optional LCD for local monitoring of Liebert MPX units. Cord-connected, allowing user to access rack mounting location and different other information.
RPCBDM 1000 is UL approved (cULus E147888; NWGQ)

xxxx: version/revision (1000 for this report)