

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

Issued to: Tyco Electronics Austria GmbH
Schrackstrasse 1
Waidhofen an der Thaya 3830
Austria

This is to certify that representative samples of NLDX2 - Motor Controllers, Magnetic - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: UL 508, Industrial Control Equipment
CAN/CSA C22.2 No. 14-05, Industrial Control Equipment

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

UL LLC




Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
4016+	Magnetic Motor Controllers
4129-1+	Magnetic Motor Controllers
4129-2+	Magnetic Motor Controllers
4129-3+	Magnetic Motor Controllers
4149+	Magnetic Motor Controllers
4157+	Magnetic Motor Controllers
4185+	Magnetic Motor Controllers
4186+	Magnetic Motor Controllers
4187+	Magnetic Motor Controllers
4282+	Magnetic Motor Controllers
4283+	Magnetic Motor Controllers
4334-1+	Magnetic Motor Controllers
4358-1+	Magnetic Motor Controllers
4489+	Magnetic Motor Controllers
4505+	Magnetic Motor Controllers
4508-2+	Magnetic Motor Controllers
4518-1+	Magnetic Motor Controllers
4535-1+	Magnetic Motor Controllers
4538+	Magnetic Motor Controllers
4665+	Magnetic Motor Controllers
4668+	Magnetic Motor Controllers
4669+	Magnetic Motor Controllers
4695-1+	Magnetic Motor Controllers
4699+	Magnetic Motor Controllers
4735-1+	Magnetic Motor Controllers
4761-1+	Magnetic Motor Controllers
4786+	Magnetic Motor Controllers
4787+	Magnetic Motor Controllers
4788+	Magnetic Motor Controllers
4789+	Magnetic Motor Controllers
4844+	Magnetic Motor Controllers
4858-2+	Magnetic Motor Controllers
4863+	Magnetic Motor Controllers
4928+	Magnetic Motor Controllers
5140-1+	Magnetic Motor Controllers
5187+	Magnetic Motor Controllers
5188+	Magnetic Motor Controllers
5213+	Magnetic Motor Controllers
5379+	Magnetic Motor Controllers
5392+	Magnetic Motor Controllers


Deborah Jennings-Conner, VP Regulatory Services

UL LLC


Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

5424+	Magnetic Motor Controllers
5445-1+	Magnetic Motor Controllers
5446-1+	Magnetic Motor Controllers
5447+	Magnetic Motor Controllers
5452+	Magnetic Motor Controllers
5480+	Magnetic Motor Controllers
5491+	Magnetic Motor Controllers
5509+	Magnetic Motor Controllers
5531+	Magnetic Motor Controllers
5575-3+	Magnetic Motor Controllers
5575-4+	Magnetic Motor Controllers
5591+	Magnetic Motor Controllers
5592+	Magnetic Motor Controllers
5607+	Magnetic Motor Controllers
5612+	Magnetic Motor Controllers
5820+	Magnetic Motor Controllers
5835-3+	Magnetic Motor Controllers
5843+	Magnetic Motor Controllers
6095-1+	Magnetic Motor Controllers
6096+	Magnetic Motor Controllers
6128+	Magnetic Motor Controllers
6154+	Magnetic Motor Controllers
6233+	Magnetic Motor Controllers
6234+	Magnetic Motor Controllers
6275+	Magnetic Motor Controllers
6314+	Magnetic Motor Controllers
6328+	Magnetic Motor Controllers
6396+	Magnetic Motor Controllers
6480+	Magnetic Motor Controllers
6481+	Magnetic Motor Controllers
6482+	Magnetic Motor Controllers
6483+	Magnetic Motor Controllers
6484+	Magnetic Motor Controllers
6485+	Magnetic Motor Controllers
6490+	Magnetic Motor Controllers
90074+	Magnetic Motor Controllers
90077-1+	Magnetic Motor Controllers
90103+	Magnetic Motor Controllers
90124-2+	Magnetic Motor Controllers
90248+	Magnetic Motor Controllers
90292+	Magnetic Motor Controllers
KU, followed by 80000 thru 99999, with or without -0 thru -9.+	Magnetic Motor Controllers
KU f/b 1 thru 8, 11 thru 14, 50 thru 52, 58, 59, or 61 thru 65, followed by 6, A or D, followed by 1, 2, 3, 4 or 5, followed by 1, 2, 3, 5, 6 or 7, A, B, C, D, E, F, J, K, P, R,	Magnetic Motor Controllers


 Deborah Jennings-Conner, VP Regulatory Services

UL LLC


Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

S or W, may be followed by F, with or without 0 thru 277 V.+	
KU-47-18	Magnetic Motor Controllers
KU1458-1	Magnetic Motor Controllers
KU1651	Magnetic Motor Controllers
KU1652	Magnetic Motor Controllers
KU1653	Magnetic Motor Controllers
KU1656	Magnetic Motor Controllers
KU2016	Magnetic Motor Controllers
KU2019*	Magnetic Motor Controllers
KU2020*	Magnetic Motor Controllers
KU2021*	Magnetic Motor Controllers
KU4016	Magnetic Motor Controllers
KU4129-1	Magnetic Motor Controllers
KU4129-2	Magnetic Motor Controllers
KU4129-3	Magnetic Motor Controllers
KU4149	Magnetic Motor Controllers
KU4157	Magnetic Motor Controllers
KU4185	Magnetic Motor Controllers
KU4186	Magnetic Motor Controllers
KU4187	Magnetic Motor Controllers
KU4282	Magnetic Motor Controllers
KU4283	Magnetic Motor Controllers
KU4334-1	Magnetic Motor Controllers
KU4358-1	Magnetic Motor Controllers
KU4489	Magnetic Motor Controllers
KU4505	Magnetic Motor Controllers
KU4508-2	Magnetic Motor Controllers
KU4518-1	Magnetic Motor Controllers
KU4535-1	Magnetic Motor Controllers
KU4538	Magnetic Motor Controllers
KU4665	Magnetic Motor Controllers
KU4668	Magnetic Motor Controllers
KU4669	Magnetic Motor Controllers
KU4695-1	Magnetic Motor Controllers
KU4699	Magnetic Motor Controllers
KU4735-1	Magnetic Motor Controllers
KU4761-1	Magnetic Motor Controllers
KU4786	Magnetic Motor Controllers
KU4787	Magnetic Motor Controllers
KU4788	Magnetic Motor Controllers
KU4789	Magnetic Motor Controllers
KU4844	Magnetic Motor Controllers
KU4858-2	Magnetic Motor Controllers
KU4863	Magnetic Motor Controllers
KU4928	Magnetic Motor Controllers
KU5140-1	Magnetic Motor Controllers


 Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

KU5187*	Magnetic Motor Controllers
KU5188*	Magnetic Motor Controllers
KU5213	Magnetic Motor Controllers
KU5379	Magnetic Motor Controllers
KU5392	Magnetic Motor Controllers
KU5399-3	Magnetic Motor Controllers
KU5424	Magnetic Motor Controllers
KU5445-1	Magnetic Motor Controllers
KU5446-1	Magnetic Motor Controllers
KU5447	Magnetic Motor Controllers
KU5452	Magnetic Motor Controllers
KU5480	Magnetic Motor Controllers
KU5491	Magnetic Motor Controllers
KU5509	Magnetic Motor Controllers
KU5531	Magnetic Motor Controllers
KU5575-3	Magnetic Motor Controllers
KU5575-4	Magnetic Motor Controllers
KU5591	Magnetic Motor Controllers
KU5592	Magnetic Motor Controllers
KU5607	Magnetic Motor Controllers
KU5612	Magnetic Motor Controllers
KU5820	Magnetic Motor Controllers
KU5835-3	Magnetic Motor Controllers
KU5843	Magnetic Motor Controllers
KU6095-1	Magnetic Motor Controllers
KU6096	Magnetic Motor Controllers
KU6128	Magnetic Motor Controllers
KU6154	Magnetic Motor Controllers
KU6160-1	Magnetic Motor Controllers
KU6181*	Magnetic Motor Controllers
KU6182*	Magnetic Motor Controllers
KU6187*	Magnetic Motor Controllers
KU6233	Magnetic Motor Controllers
KU6234	Magnetic Motor Controllers
KU6275	Magnetic Motor Controllers
KU6314	Magnetic Motor Controllers
KU6328	Magnetic Motor Controllers
KU6396	Magnetic Motor Controllers
KU6399-1	Magnetic Motor Controllers
KU6412	Magnetic Motor Controllers
KU6412-1	Magnetic Motor Controllers
KU6414*	Magnetic Motor Controllers
KU6415*	Magnetic Motor Controllers
KU6416*	Magnetic Motor Controllers
KU6417*	Magnetic Motor Controllers
KU6435	Magnetic Motor Controllers
KU6460*	Magnetic Motor Controllers

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

KU6461*	Magnetic Motor Controllers
KU6480*	Magnetic Motor Controllers
KU6481*	Magnetic Motor Controllers
KU6482*	Magnetic Motor Controllers
KU6483*	Magnetic Motor Controllers
KU6484*	Magnetic Motor Controllers
KU6485*	Magnetic Motor Controllers
KU6490*	Magnetic Motor Controllers
KU90074	Magnetic Motor Controllers
KU90077-1	Magnetic Motor Controllers
KU90103	Magnetic Motor Controllers
KU90124-2	Magnetic Motor Controllers
KU90248	Magnetic Motor Controllers
KU90292	Magnetic Motor Controllers
KU90499	Magnetic Motor Controllers
KU90500	Magnetic Motor Controllers
KU90594	Magnetic Motor Controllers
KUCP, followed by 1, 3, 7 or 12, followed by A, D or F, followed by 1, 3, 5, 7, 9, A, C, E, G or T, followed by 1, 2, 3, 5, 6, 7, J or K, may be followed by F, followed by 1 to 3 digits, may be followed by Vdc or Vac.+	Magnetic Motor Controllers
KUE, followed by 3, 7, 8 or 11, followed by A or D, followed by 1 thru 5, followed by 1, 2, 3, 5, 6 or 7, J, K, P, R, S or W, may be followed by F, with or without 0 thru 277 V.+	Magnetic Motor Controllers
KUE followed by 80000 thru 99999, with or without -0 thru -9, may be followed by one to four numbers and/or letters.+	Magnetic Motor Controllers
KUEP, followed by 3, 7, 8 or 11, followed by A or D, followed by 1, 3, 5, 7, 9, A, C, E, G or T, followed by 1, 2, 3, 5, 6, 7, J, K, P, R, S or W may be followed by F, with or without 0 thru 277 V.	Magnetic Motor Controllers
KUG, followed by 1, 3, 7 or 12, followed by A, D or F, followed by 1, 2, 3, 4 or 5, followed by 1, 2, 3, 5, 6, 7, J or K, may be followed by F, followed by 1 or 3 digits, may be followed by Vdc or Vac.+	Magnetic Motor Controllers
KUGP, followed by 1, 3, 7 or 12, followed by A, D or F, followed by 1, 3, 5, 7, 9, A, C, E, G or T, followed by 1, 2, 3, 5, 6, 7, J or K, may be followed by F, followed by 1 to 3 digits, may be followed by Vdc or Vac.+	Magnetic Motor Controllers
KUIP, followed by 1 thru 8, 11 thru 14, followed by A or D, followed by 1, 5 or T, followed by 1, 3, 5, 7, P or S, may be followed by F, followed by 0 thru 110 v, dc or 0 thru 277 Vac.	Magnetic Motor Controllers
KUIP, followed by 80000 thru 99999, with or without -0 thru -9.+	Magnetic Motor Controllers

Deborah Jennings-Conner
 Deborah Jennings-Conner, VP Regulatory Services



UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

KUM, followed by 1 thru 8, 11 thru 14, 50 thru 52, 58, 59 or 61 thru 65, followed by A or D, followed by 1 thru 5, followed by 6, 8, 9, A thru G, R, T, U or V, may be followed by F, with or without 0 thru 277.	Magnetic Motor Controllers
KUM followed by 1000 thru 5000, with or without -1, may be followed by one to four numbers and/or letters.	Magnetic Motor Controllers
KUM followed by 80000 thru 99999, with or without -0 thru -9, may be followed by one to four numbers and/or letters.	Magnetic Motor Controllers
KUM1012	Magnetic Motor Controllers
KUM1012+	Magnetic Motor Controllers
KUM1012-1	Magnetic Motor Controllers
KUM1012-1+	Magnetic Motor Controllers
KUM1013	Magnetic Motor Controllers
KUM1013+	Magnetic Motor Controllers
KUM1014	Magnetic Motor Controllers
KUM1014+	Magnetic Motor Controllers
KUM1014-1	Magnetic Motor Controllers
KUM1014-1+	Magnetic Motor Controllers
KUM1025	Magnetic Motor Controllers
KUM1025+	Magnetic Motor Controllers
KUM1050	Magnetic Motor Controllers
KUM1050+	Magnetic Motor Controllers
KUM1051	Magnetic Motor Controllers
KUM1051+	Magnetic Motor Controllers
KUM1053	Magnetic Motor Controllers
KUM1053+	Magnetic Motor Controllers
KUM1055	Magnetic Motor Controllers
KUM1055+	Magnetic Motor Controllers
KUM1056	Magnetic Motor Controllers
KUM1056+	Magnetic Motor Controllers
KUM1057	Magnetic Motor Controllers
KUM1057+	Magnetic Motor Controllers
KUM1058	Magnetic Motor Controllers
KUM1058+	Magnetic Motor Controllers
KUM1059	Magnetic Motor Controllers
KUM1059+	Magnetic Motor Controllers
KUM1063	Magnetic Motor Controllers
KUM1063+	Magnetic Motor Controllers
KUM1074-2	Magnetic Motor Controllers
KUM1075-1	Magnetic Motor Controllers
KUM1076	Magnetic Motor Controllers
KUM1077	Magnetic Motor Controllers
KUM1077+	Magnetic Motor Controllers
KUM1078	Magnetic Motor Controllers
KUM1078+	Magnetic Motor Controllers
KUM4008	Magnetic Motor Controllers

Deborah Jennings-Conner
 Deborah Jennings-Conner, VP Regulatory Services



UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L22575-2114-40116691-1
Report Reference E22575-19661104
Date 30-Aug-2023

KUM4008+	Magnetic Motor Controllers
KUM4009	Magnetic Motor Controllers
KUM4009+	Magnetic Motor Controllers
KUM4111	Magnetic Motor Controllers
KUM4111+	Magnetic Motor Controllers
KUM4118	Magnetic Motor Controllers
KUM4139	Magnetic Motor Controllers
KUM4139+	Magnetic Motor Controllers
KUM4140	Magnetic Motor Controllers
KUM4141	Magnetic Motor Controllers
KUM4230+	Magnetic Motor Controllers
KUM4232+	Magnetic Motor Controllers
KUMP, followed by 1 thru 8, 11 thru 14, 50 thru 52, 58, 59 or 61 thru 65, followed by A or D, followed by 1 thru 9 or A thru H or T, followed by 6, 8, 9, A thru G, R, T, U or V, may be followed by F, with or without 0 thru 277.	Magnetic Motor Controllers
KUP, followed by 1 thru 8, 11 thru 14, 50 thru 52, 58, 59 or 61 thru 65, followed by A, D or DS, followed by 1 thru 9 or A thru H or T, followed by 1, 2, 3, 5, 6, 7, A, B, C, D, E, F, J, K, P, R, S or W, may be followed by F, with or without 0 thru 277 V.+	Magnetic Motor Controllers
KUP80000 thru KUP80999	Magnetic Motor Controllers
KUP90000 thru KUP90999	Magnetic Motor Controllers
KUPX, followed by 1 thru 8 or 11 thru 14, followed by A or D, followed by 1 thru 9 or A thru H or T, followed by 1, 2, 3, 5, 6, 7, A, B, C, D, E, F, J or K, may be followed by F, with or without 0 thru 277, may be followed by one to four numbers and/or letters.+	Magnetic Motor Controllers
KUSP, followed by 1 thru 8, 11 thru 14 or 50, 51, 52, 58, 59 or 61 thru 65, followed by A, D or F, followed by 1 thru 9 or A thru H or T, followed by 1, 2, 3, 5, 6, 7, J or K, may be followed by F, followed by 1 to 3 digits, may be followed by Vdc or Vac.+	Magnetic Motor Controllers
KUX, followed by 1 thru 8 or 11 thru 14, followed by A or D, followed by 1, 2, 3, 4 or 5, followed by 1, 2, 3, 5, 6, 7, A, B, C, D, E, F, J or K, may be followed by F, with or without 0 thru 277.+	Magnetic Motor Controllers


 Deborah Jennings-Conner, VP Regulatory Services



UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>