

UKCA DECLARATION OF CONFORMITY No. UKCA 21.3089.09.21

We **Hager LTD**
Hortonwood 50
TELFORD-TF1 7FT-UK

Declare that the product(s)

Designation

JK TPN DBO & Extension Boxes - Vertical & Side with Metering

Type reference(s)

JK1, JKD1, JK2, JKD2 Range

Trademark

Hager

is (are) in conformity with the relevant United Kingdom legislation:

- SI 2012/3032 Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended)
- SI 2016/1153 Measuring Instruments Regulations 2016 (as amended)
- SI 2016/1091 Electromagnetic Compatibility (EMC) Regulations 2016 (as amended)
- SI 2016/1101 Electrical Equipment (safety) Regulations 2016 (as amended)

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Standard(s) and/or relevant document(s) to which conformity is declared

Standard number + relevant amendments together with the edition dates

BS EN 61439-3: 2012 incorporating corrigenda September 2013, December 2015 and March 2019

BS EN IEC 63000:2018

If applicable, mention here for radio products, the data about notified body. See RE legislation - Annex VI - point 7

This declaration of conformity is issued under the sole responsibility of the manufacturer.

On behalf of Company name

Name of signatory

Mr Ian Ellis

Function of signatory

Certification Manager MDS

Place and date of issue

Telford, UK 29/09/2021

Signature

Ian Ellis

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Type references

JK1 TPN DBO 125A

Product Reference	Product Description
JK104BA3	JK1 TPN DBO 125A 4 Way PD
JK106BA3	JK1 TPN DBO 125A 6 Way PD
JK108BA3	JK1 TPN DBO 125A 8 Way PD
JK112BA3	JK1 TPN DBO 125A 12 Way PD
JK116BA3	JK1 TPN DBO 125A 16 Way PD
JK118BA3	JK1 TPN DBO 125A 18 Way PD
JK124BA3	JK1 TPN DBO 125A 24 Way PD

JK1 Cable Extension Boxes (Vertical)

Product Reference	Product Description
JK101SE	Cable Extension Box Size 1
JK102LE	Cable Extension Box Size 2

JK1 Dinrail Extension Boxes (Vertical)

Product Reference	Product Description
JK116E	Dinrail Extension Box 1 Row
JK132E	Dinrail Extension Box 2 Row
JK116EG	Dinrail Extension Box 1 Row
JK132EG	Dinrail Extension Box 2 Row
JK116EA3	Dinrail Extension Box 1 Row
JK132EA3	Dinrail Extension Box 2 Row

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Type references

JK1 Side Dinrail Enclosures (Full)

Product Reference	Product Description
JK104BDFG	JK1 125A Side Dinrail Enclosure
JK106BDFG	JK1 125A Side Dinrail Enclosure
JK108BDFG	JK1 125A Side Dinrail Enclosure
JK112BDFG	JK1 125A Side Dinrail Enclosure
JK116BDFG	JK1 125A Side Dinrail Enclosure
JK118BDFG	JK1 125A Side Dinrail Enclosure
JK124BDFG	JK1 125A Side Dinrail Enclosure
JK104BDFA3	JK1 125A Side Dinrail Enclosure
JK106BDFA3	JK1 125A Side Dinrail Enclosure
JK108BDFA3	JK1 125A Side Dinrail Enclosure
JK112BDFA3	JK1 125A Side Dinrail Enclosure
JK116BDFA3	JK1 125A Side Dinrail Enclosure
JK118BDFA3	JK1 125A Side Dinrail Enclosure
JK124BDFA3	JK1 125A Side Dinrail Enclosure

JK1 Side Extension Enclosures (Full)

Product Reference	Product Description
JK104BSF	JK1 Side Extension Enclosures
JK106BSF	JK1 Side Extension Enclosures
JK108BSF	JK1 Side Extension Enclosures
JK112BSF	JK1 Side Extension Enclosures
JK116BSF	JK1 Side Extension Enclosures
JK118BSF	JK1 Side Extension Enclosures
JK124BSF	JK1 Side Extension Enclosures

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Type references

JK1 Side Extension Enclosures (Half)

Product Reference	Product Description
JK104BSH	JK1 Side Extension Enclosures
JK106BSH	JK1 Side Extension Enclosures
JK108BSH	JK1 Side Extension Enclosures
JK112BSH	JK1 Side Extension Enclosures
JK116BSH	JK1 Side Extension Enclosures
JK118BSH	JK1 Side Extension Enclosures
JK124BSH	JK1 Side Extension Enclosures
JK101BSH	JK1 Side Extension Enclosures

JKD1 TPN P&L DBO 125A

Product Reference	Product Description
JKD146PM	JK1 TPN P&L DBO 125A 4 Way PD
JKD166PM	JK1 TPN P&L DBO 125A 6 Way PD
JKD164PM	JK1 TPN P&L DBO 125A 8 Way PD
JKD168PM	JK1 TPN P&L DBO 125A 12 Way PD
JKD188PM	JK1 TPN P&L DBO 125A 16 Way PD
JKD186PM	JK1 TPN P&L DBO 125A 18 Way PD
JKD1416PM	JK1 TPN P&L DBO 125A 24 Way PD
JKD1164PM	JK1 TPN P&L DBO 125A 4 Way GD
JKD1812PM	JK1 TPN P&L DBO 125A 6 Way GD
JKD1128PM	JK1 TPN P&L DBO 125A 8 Way GD
JKD11212PM	JK1 TPN P&L DBO 125A 12 Way GD

JKD2 TPN DBO 200A

Product Reference	Product Description
JKD2884PM	JK2 TPN P&L DBO 200A 8+8+4 Way GB

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Type references

JK2 TPN DBO 250A

Product Reference	Product Description
JK208BA3	JK2 TPN DBO 250A 8 Way PD
JK212BA3	JK2 TPN DBO 250A 12 Way PD
JK216BA3	JK2 TPN DBO 250A 16 Way PD
JK218BA3	JK2 TPN DBO 250A 18 Way PD
JK224BA3	JK2 TPN DBO 250A 24 Way PD

JK2 Cable Extension Boxes (Vertical)

Product Reference	Product Description
JK201SE	Cable Extension Box Size 1
JK202LE	Cable Extension Box Size 2

JK2 Dinrail Extension Boxes (Vertical)

Product Reference	Product Description
JK216E	Dinrail Extension Box 1 Row
JK232E	Dinrail Extension Box 2 Row
JK216EG	Dinrail Extension Box 1 Row
JK232EG	Dinrail Extension Box 2 Row
JK216EA3	Dinrail Extension Box 1 Row
JK232EA3	Dinrail Extension Box 2 Row

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Type references

JK2 Side Dinrail Extension Boxes (Full)

Product Reference	Product Description
JK208BDFG	JK2 125A Side DIN Enclosures
JK212BDFG	JK2 125A Side DIN Enclosures
JK216BDFG	JK2 125A Side DIN Enclosures
JK218BDFG	JK2 125A Side DIN Enclosures
JK224BDFG	JK2 125A Side DIN Enclosures
JK208BDFA3	JK2 125A Side DIN Enclosures
JK212BDFA3	JK2 125A Side DIN Enclosures
JK216BDFA3	JK2 125A Side DIN Enclosures
JK218BDFA3	JK2 125A Side DIN Enclosures
JK224BDFA3	JK2 125A Side DIN Enclosures

JK2 Side Cable Extension Boxes (Full)

Product Reference	Product Description
JK208BSF	JK2 Side Extension Enclosures
JK212BSF	JK2 Side Extension Enclosures
JK216BSF	JK2 Side Extension Enclosures
JK218BSF	JK2 Side Extension Enclosures
JK224BSF	JK2 Side Extension Enclosures

JK2 Side Cable Extension Boxes (Half)

Product Reference	Product Description
JK208BSH	JK2 Side Extension Enclosures
JK212BSH	JK2 Side Extension Enclosures
JK216BSH	JK2 Side Extension Enclosures
JK218BSH	JK2 Side Extension Enclosures
JK224BSH	JK2 Side Extension Enclosures
JK201BSH	JK2 Side Extension Enclosures

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Type references

JK2 TPN Hybrid DBO 250A

Product Reference	Product Description
JK20210B	JK2 TPN Hybrid DBO 250A 2+10 Way PD
JK20216B	JK2 TPN Hybrid DBO 250A 2+16 Way PD
JK20220B	JK2 TPN Hybrid DBO 250A 2+20 Way PD
JK20210BG	JK2 TPN Hybrid DBO 250A 2+10 Way GD
JK20216BG	JK2 TPN Hybrid DBO 250A 2+16 Way GD
JK20220BG	JK2 TPN Hybrid DBO 250A 2+20 Way GD

JK2 TPN Hybrid DBO 250A c/w 250A Swd

Product Reference	Product Description
JK20210BSD	JK2 TPN Hybrid DBO 250A 2+10 Way PD
JK20216BSD	JK2 TPN Hybrid DBO 250A 2+16 Way PD
JK20220BSD	JK2 TPN Hybrid DBO 250A 2+20 Way PD
JK20210BGSD	JK2 TPN Hybrid DBO 250A 2+10 Way GD
JK20216BGSD	JK2 TPN Hybrid DBO 250A 2+16 Way GD
JK20220BGSD	JK2 TPN Hybrid DBO 250A 2+20 Way GD

Dinrail Multi-function Meter

Product Reference	Product Description
JKM01	Dinrail RI Easywire Single/ Three Phase Multi-function Energy Meter Pulse/ Modbus Single Input
JKM02	Dinrail RI Easywire Single/ Three Phase Multi-function Energy Meter Pulse/ Modbus Dual Input

EC12xxxCT CT Blocks

Product Reference	Product Description
EC1260CT	60A 3 Phase CT
EC12100CT	100A 3 Phase CT
EC12125CT	125A 3 Phase CT
EC12160CT	160A 3 Phase CT

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Type references

EC25xxxCT CT Blocks

Product Reference	Product Description
EC2560CT	60A 3 Phase CT
EC25100CT	100A 3 Phase CT
EC25125CT	125A 3 Phase CT
EC25160CT	160A 3 Phase CT
EC25200CT	200A 3 Phase CT
EC25250CT	250A 3 Phase CT

Standard CT to Plug-In Adapter

Product Reference	Product Description
JFA03	3x 5A CT Adapter

Energy Meter

Product Reference	Product Description
HGR41EWC	Three Phase Easywire Multifunction DIN Rail Energy Meter
HGR41EWMB	Three Phase Easywire Multifunction DIN Rail Energy Meter
HGR42EWC	Three Phase Easywire Multifunction DIN Rail Energy Meter
HGR42EWMB	Three Phase Easywire Multifunction DIN Rail Energy Meter

Pluggable RJ45 Connection Cables

Product Reference	Product Description
PGRJ300	0.30m – RJ45 Connector Cable
PGRJ500	0.50m - RJ45 Connector Cable
PGRJ1000	1.00m - RJ45 Connector Cable
PGRJ1500	1.50m - RJ45 Connector Cable
PGRJ2000	2.00m - RJ45 Connector Cable
PGRJ3000	3.00m RJ45 Connector Cable

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Meter to Meter Supply Cables

Product Reference	Product Description
PGMFT150	0.15m – Hi Flex Supply Cable
PGMFT300	0.30m - Hi Flex Supply Cable
PGMFT500	0.50m - Hi Flex Supply Cable
PGMFT1000	1.00m - Hi Flex Supply Cable
PGMFT1300	1.50m - Hi Flex Supply Cable
PGMFT2000	2.00m - Hi Flex Supply Cable
PGMFT3000	3.00m - Hi Flex Supply Cable

Meter to Meter Supply Cables

Product Reference	Product Description
PGMF300	0.30m – Hi Flex Supply Cable
PGMF500	0.50m - Hi Flex Supply Cable
PGMF1000	1.00m - Hi Flex Supply Cable
PGMF1300	1.50m - Hi Flex Supply Cable
PGMF2000	2.00m - Hi Flex Supply Cable
PGMF3000	3.00m - Hi Flex Supply Cable

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Evidence (s)

Documents listed below have been used in order to establish the conformity to the essential requirements of the relevant legislation

Evidences approved by: Site:	Engineering Quality / Certification Telford
Only designated standards published on GOV.UK (https://www.gov.uk/guidance/designated-standards) are used:	Yes BS EN 61439-3:2012
Scope and classification fully covers the product (case 1 of Hager Group risk analysis):	Yes Designated after 2016
Comments :	BS Standard updated in March 2019
Hager Group risk analysis: (Only if there is at least one "No", then you have to explain how you cover the essential requirements and fill the document <u>DMS034433</u> - Hager Group risk analysis)	DMS034433 followed using case 1 of Hager Group method: Designated standard used
Certificate(s) / test report(s):	Hager UK Test Report G2133 BS EN 61439-3 Corrigenda March 2019 Hager Test Report No G2174 Test Report No G1866-2A – JK1 TPN DBO 125A Range Test Report No G1866-2A – JK2 TPN DBO 250A Range Test Report No G1983b – JK2 TPN Hybrid DBO 250A Range Test Report No G1982 – JKD1 TPN P&L DBO 125A Range Test Report No G1986 – JKD2 TPN P&L DBO 200A Range Rayleigh Instruments EU Declaration of Conformity EU2017-003-V02 Energy Meter Rayleigh Instruments EU Declaration of Conformity EU2017-001-V02 LV Current Transformer Rayleigh Instruments EU Declaration of Conformity EU2019-046-V01 MID Meter Rayleigh Instruments Declaration of Conformity to EU RoHS Rayleigh Instruments EU Declaration of Conformity EU2019-041-V02 Energy Meter G2011-1 Terasaki verification report for 125A & 250A InA. G2011-1 Terasaki certificate of design verification for 125A & 250A InA. Routine Test Program for invicta 3 125A & 250A TPN DBO's Hager Group RoHS risk analysis DMS045428 v4 G2065 DMS039874 RoHS Register G2065 Hager UK test report JK1 ATyS Auto Changeover Range Certificate of Design Verification Hager EU DoFC ATyS Range 19.1620.06.19 Socomec Dekra Test Certificate NL-20192/A2/M2 Socomec Dekra Test Report 2191351.50 TRF Socomec RoHS Declaration 15092 G2101 Hager Test report G2101 200A MCS Triple Pan Mech, Power and Lighting DBO G2113 Hager Test Report MID Metering Triple Pan Mech, Power and Lighting DBO Exova Test report N952952 Resistance of Corrosion Hager Group EU Declaration of Conformity No 19.1516.06.19 Switch Disconnecter Hager Group EU Declaration of Conformity No 18.1306.11.18 10kA RCBO Hager Group EU Declaration of Conformity No 18.1665.11.18 10kA MCB's Hager UK Laboratory General Test Report G2090 250A Non-Auto MCS I2PS Test Report Short Circuit No 0900488 Exova Test Report Resistance of Corrosion N952952

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	Hager Group EU Declaration of Conformity No 18.1306.11.18 10kA RCBO Hager Group EU Declaration of Conformity No 18.1665.11.18 10kA MCB's Hager Group EU Declaration of Conformity No.19.1427.01.19 X250 MCCB Hager Group EU Declaration of Conformity No 19.2310.03.19 HMF MCB G1742 I2PS Test Report Short Circuit JK TPN Board G1989 Hager UK Test Certificate Dual / Triple Incomer kit G2101 Hager UK Test Report Dual / Triple Incomer kit G2102 Hager UK Test Report Dual / Triple Incomer kit G2117 Hager UK Test Report Dual / Triple Incomer kit I²PS Test report Short circuit JK TPN board Exova Test report No N952952 resistance to corrosion TPN board Hager General Test Report G2057 JK2 TPN range c/w Surge Protection device Hager General Test Report G2068 JK1 TPN range c/w Surge Protection device Hager General Test Report G2093 125A Single Phasing kit for Swd Incomers Hager General Test Report G2097 125A MID meter enclosed Extension box Hager General Test Report G2105 250A MID meter enclosed Extension box & meterpack Hager General Test Report G2109 125A MID meterpack Hager General Test Report G2141 JK1 Type A RCCB Incomer Kits Hager Group EU Declaration of Conformity No 19.1516.06.19 Switch Disconnecter Hager Group EU Declaration of Conformity No 18.1306.11.18 10kA RCBO Hager Group EU Declaration of Conformity No 18.1665.11.18 10kA MCB's Hager Group EU Declaration of Conformity No 19.1427.01.19 250A MCCB Hager Group EU Declaration of Conformity No 19.1696.06.19 100A RCCB Phoenix Contact EU Declaration of Conformity No. 83160651.04 Phoenix Contact EU Declaration of Conformity No. 83160669.02 Phoenix Contact EU Declaration of Conformity No. 83215369.00 Phoenix Contact RoHS Declaration of Compliance product No. 2905345 Phoenix Contact RoHS Declaration of Compliance product No. 2905470
Mark approval(s):	No
Product documentation :	See Hager Website
Comments:	None

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Evidence (s)

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Designated Standards

Designated standard UKCA Electrical Equipment (Safety) Regulations 2016:

S.I. 2016 No. 1101	EN 61439-1:2011	Low-voltage switchgear and controlgear assemblies – Part 1: General rules	01/01/2021	0009/21
S.I. 2016 No. 1101	EN 61439-3:2012	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	01/01/2021	0009/21
S.I. 2016 No. 1101	EN 61439- 3:2012/AC:2019-04	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	01/01/2021	0009/21

Designated standard UKCA Electromagnetic Compatibility Regulations 2016:

S.I. 2016 No. 1091	EN 61439-1:2011	Low-voltage switchgear and controlgear assemblies – Part 1: General rules	01/01/2021	0007/21
S.I. 2016 No. 1091	EN 61439-3:2012	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	01/01/2021	0007/21
S.I. 2016 No. 1091	EN 61439-3:2012 /AC:2019-04	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	01/01/2021	0007/21

Designated standard UKCA RoHS:

S.I. 2012 No. 3033	EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	01/01/2021	0037/21
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