

UKCA DECLARATION OF CONFORMITY No.

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

Declare that the product(s)

Designation

Invicta 3 TPN MCB DBO
Type - Surface

Type reference(s)

JK1 125A Range
JK2 250A 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 2016/1091 Electromagnetic Compatibility (EMC) Regulations 2016 (as amended)
- SI 2016/1101 Electrical Equipment (safety) Regulations 2016 (as amended)
- SI 2016/1153 Measuring Instruments 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 and 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 Hager LTD

Name of signatory

Ian Ellis

Function of signatory

Certification Manager (Enclosure Systems)

Place and date of issue

Telford, UK 27/02/2023

Signature

Ian Ellis

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Type references

JK1 TPN Distribution Board Range

Invicta 3 125A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK104B	4	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK106B	6	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK108B	8	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK112B	12	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK116B	16	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK118B	18	Invicta 3 TPN 125A rating InA Main Dist. Board Plain
JK124B	24	Invicta 3 TPN 125A rating InA Main Dist. Board Plain

Invicta 3 125A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK104BG	4	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK106BG	6	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK108BG	8	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK112BG	12	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK116BG	16	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK118BG	18	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed
JK124BG	24	Invicta 3 TPN 125A rating InA Main Dist. Board Glazed

Invicta 3 125A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK104BGSPD	4	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK106BGSPD	6	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK108BGSPD	8	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK112BGSPD	12	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK116BGSPD	16	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK118BGSPD	18	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD
JK124BGSPD	24	Invicta 3 TPN 125A rating InA Main Dist. Board c/w 125A 4P Swd T2 SPD

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Invicta 3 125A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK104BGSD	4	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK106BGSD	6	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK108BGSD	8	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK112BGSD	12	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK116BGSD	16	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK118BGSD	18	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd
JK124BGSD	24	Invicta 3 TPN 125A rating /nA Main Dist. Board Glazed c/w 125A Swd

Invicta 3 TPN Incomer Kits	Product Description
JK10634RH	4 Pole 63A 30mA Type A RCCB Incomer Kit
JK11004RH	100A 30mA 4 Pole RCCB Incomer Kit
JK11004RL	4 Pole 100A 300mA Type A RCCB Incomer Kit
JK11004RLD	4 Pole 100A 300mA Type A Time Delayed RCCB Incomer Kit
JK11004RM	4 Pole 100A 100mA Type A RCCB Incomer Kit
JK11004RMD	4 Pole 100A 100mA Type A Time Delayed RCCB Incomer Kit
JK11003S	3 Pole 100A Switch Disconnecter Incomer Kit
JK11004S	4 Pole 100A Switch Disconnecter Incomer Kit
JK11253S	3 Pole 125A Switch Disconnecter Incomer Kit
JK11254S	4 Pole 125A Switch Disconnecter Incomer Kit
JK11254D	4 Pole 125A Direct Connection Incomer Kit
JK1SPKIT	3 Pole 125A Single Phasing Kit used in conjunction with Swd incoming kit JK11xxxS

Invicta 3 125A TPN Metering	Product Description
JK140PM	Multifunctional meter pack 125A Pulsed & Modbus
JK140MID	Multifunctional meter pack 125A Pulsed & Modbus MID
JKD1125MID	JK1 Meterpack 125A MID Meter Enclosed Extension Box

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Invicta 3 125A Surge Protection Kit	Product Description
JK101SPD	JK1 Type 1+2 125A Surge Protection Kit
JK102SPD	JK1 Type 2 125A Surge Protection Kit

Invicta 3 125A TPN Accessories	Product Description
JK1PLATEB	Brass Gland Plate Painted - 2.0mm
JK1PLATEM	Spare Gland Plate Including Drill Markings - 1.2mm
JK100TAP	100A Top Tap Off Kit
JKLABELPACK	Spare Label Pack - All Sizes (one pack)
JK222PK	Key Lock with One Key
JK01B	Single Pole Busbar Blank - 125A

JK2 TPN Distribution Board Range

Invicta 3 250A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK208B	8	Invicta 3 TPN 250A rating InA Main Dist. Board Plain
JK212B	12	Invicta 3 TPN 250A rating InA Main Dist. Board Plain
JK216B	16	Invicta 3 TPN 250A rating InA Main Dist. Board Plain
JK218B	18	Invicta 3 TPN 250A rating InA Main Dist. Board Plain
JK224B	24	Invicta 3 TPN 250A rating InA Main Dist. Board Plain

Invicta 3 250A TPN Distribution Boards	No. of outgoing circuits	Product Description
JK208BG	8	Invicta 3 TPN 250A rating InA Main Dist. Board Glazed
JK212BG	12	Invicta 3 TPN 250A rating InA Main Dist. Board Glazed
JK216BG	16	Invicta 3 TPN 250A rating InA Main Dist. Board Glazed
JK218BG	18	Invicta 3 TPN 250A rating InA Main Dist. Board Glazed
JK224BG	24	Invicta 3 TPN 250A rating InA Main Dist. Board Glazed

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Invicta 3 TPN Incomer Kits	Product Description
JK22504D	4 Pole 250A Direct Connection Kit
JK22503M	3 Pole 250A MCCB Incomer Kit
JK22504M	4 Pole 250A MCCB Incomer Kit
JK22503S	3 Pole 250A Switch Disconnecter Incomer Kit
JK22504MCS	4 Pole 250A SWD MCS Incomer Kit
JK21253M	3 Pole 125A MCCB Incomer Kit
JK21254M	4 Pole 125A MCCB Incomer Kit
JK21604C	4 Pole 160A Contactor Incomer Kit c/w Switch Disconnecter

Invicta 3 250A TPN Metering	Product Description
JK240PM	JK2 Multifunctional meter pack 250A Pulsed & Modbus
JK240MID	JK2 Multifunctional meter pack 250A Pulsed & Modbus MID
JKD2250MID	JK2 meterpack 250A MID Meter Enclosed Extension Box

Invicta 3 250A Surge Protection Kit	Product Description
JK201SPD	JK2 Type 1+2 250A Surge Protection Kit
JK202SPD	JK2 Type 2 250A Surge Protection Kit

Invicta 3 250A TPN Accessories	Product Description
JK222PK	Door Locking Kit
JK2PLATEB	Brass Gland Plate - 2.0mm
JK2PLATEM	Spare Gland Plate Painted Including Drill Markings - 1.2mm
JKLABELPACK	Spare Label Pack - All Sizes (one pack)
JK100TAP	100A Top Tap Off Kit
JK01B	Single Pole Busbar Blank - 250A

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Type references

Accessories	Product Description
JK104BPA	125A 4 Way TPN Pan Assembly
JK106BPA	125A 6 Way TPN Pan Assembly
JK108BPA	125A 8 Way TPN Pan Assembly
JK112BPA	125A 12 Way TPN Pan Assembly
JK116BPA	125A 16 Way TPN Pan Assembly
JK118BPA	125A 18 Way TPN Pan Assembly
JK124BPA	125A 24 Way TPN Pan Assembly

Accessories	Product Description
JK208BPA	250A 8 Way TPN Pan Assembly
JK212BPA	250A 12 Way TPN Pan Assembly
JK216BPA	250A 16 Way TPN Pan Assembly
JK218BPA	250A 18 Way TPN Pan Assembly
JK224BPA	250A 24 Way TPN Pan Assembly

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Accessories	Product Description
JK104B/DK	125A 4 Way TPN Spare Plain Door
JK104BG/DK	125A 4 Way TPN Spare Glazed
JK104BA3/DK	125A 4 Way TPN Spare Plain Door
JK106B/DK	JK106 Spare Plain Door
JK106BG/DK	JK106 Spare Glazed Door
JK106BA3/DK	JK106 Spare Plain Door
JK108B/DK	JK108 Spare Plain Door
JK108BG/DK	JK108 Spare Glazed Door
JK108BA3/DK	JK108 Spare Plain Door
JK112B/DK	JK112 Spare Plain Door
JK112BG/DK	JK112 Spare Glazed Door
JK112BA3/DK	JK112 Spare Plain Door
JK116B/DK	JK116 Spare Plain Door
JK116BG/DK	JK116 Spare Glazed Door
JK116BA3/DK	JK116 Spare Plain Door
JK118B/DK	JK118 Spare Plain Door
JK118BG/DK	JK118 Spare Glazed Door
JK118BA3/DK	JK118 Spare Plain Door
JK124B/DK	JK124 Spare Plain Door
JK124BG/DK	JK124 Spare Glazed Door
JK124BA3/DK	JK124 Spare Plain Door

Accessories	Product Description
JK21003S	100A 3 Pole JK2 Switch Incomer Kit
JK21004S	100A 4 Pole JK2 Switch Incomer Kit
JK21253S	125A 3 Pole JK2 Switch Incomer Kit
JK21254S	125A 4 Pole JK2 MCCB Incomer Kit

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Accessories	Product Description
JK208B/DK	JK208 Spare Plain door
JK208BG/DK	JK208 Spare Glazed Door
JK208BA3/DK	JK208 Spare Plain door
JK212B/DK	JK212 Spare Plain Door
JK212BG/DK	JK212 Spare Plain Door
JK212BA3/DK	JK212 Spare Plain Door
JK216B/DK	JK216 Spare Plain Door
JK216BG/DK	JK216 Spare Glazed Door
JK216BA3/DK	JK216 Spare Plain Door
JK218B/DK	JK218 Spare Plain Door
JK218BG/DK	JK218 Spare Glazed Door
JK218BA3/DK	JK218 Spare Plain Door
JK224B/DK	JK224 Spare Plain door
JK224BG/DK	JK224 Spare Glazed door
JK224BA3/DK	JK224 Spare Plain door

Accessories	Product Description
JK2/DOOR/HINGE	JK2 Door Hinge
JK2/INCOMSHROUD	JK2 Incomer Shroud
JK2/LOCK/BRACKET	JK2 Lock Bracket
JK2PLATEC	Spare Gland Plate + Cable entry 1.2mm

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Evidence(s)

Documents listed below have been developed to assure that all essential requirements of applied directive(s) are fulfilled:

If the product is not in the scope of Radio Equipment directive, fulfil table 1a, if yes fulfil table.

Table 1a Risk Assessment for Equipment without Radio	Applicable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>Only designated standards published on GOV.UK (https://www.gov.uk/guidance/designated-standards) are used:</p> <p>Scope and classification fully covers the product (case 1 of Hager Group risk analysis) :</p> <p>Comments :</p>	<p>Yes BS EN 61439-3:2012</p> <p>Yes Designated After 2016 BS Standard updated in March 2019</p>
<p>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 DMS034433 - Hager Group risk analysis)</p>	<p>DMS034433 followed using case 1 of Hager Group method: Designated Standard Used</p>

Table 1b Risk Assessment for Radio equipment	Applicable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>Hager Group risk assessment: Fill document DMS063155</p>	

Evidence(s) / Evidence(s)

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

<p>Certificate(s) / test report(s):</p>	<p>Hager UK Test Report G2133 BS EN 61439-3 March 2019 Corrigenda Hager UK Test certificate G1866-2a Enclosed Distribution board (DBO) TP&N rated 125A & 250A Hager Test Report G1866-2a Enclosed Distribution board (DBO) TP&N rated 125A & 250A 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 Rayleigh Instruments EU Declaration of Conformity EU2017-003-V02 Energy Meter Rayleigh Instruments EU Declaration of Conformity EU2017-001-V02 LV Current Transformer</p>
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	<p>Rayleigh Instruments EU Declaration of Conformity EU2019-046-V01 MID Meter</p> <p>Rayleigh Instruments Declaration of Conformity to EU RoHS</p> <p>Phoenix Contact EU Declaration of Conformity No. 83160651.04</p> <p>Phoenix Contact EU Declaration of Conformity No. 83160669.02</p> <p>Phoenix Contact EU Declaration of Conformity No. 83215369.00</p> <p>Phoenix Contact RoHS Declaration of Compliance product No. 2905345</p> <p>Phoenix Contact RoHS Declaration of Compliance product No. 2905470</p> <p>Hager Group RoHS risk analysis DMS045428 v4.</p> <p>Hager Group RoHS risk analysis DMS039874 v3.</p> <p>Routine Test program for Invicta 3 125A & 250A TPN DBO's</p> <p>Hager Test Report G2211 UK JK102SPD Surge Protection Kit</p>
Mark approval(s):	None
Product documentation :	<p>Documentation supplied with JK1 & JK2 Range</p> <p>Instruction leaflet ZD0675</p> <p>Instruction leaflet ZD0867</p> <p>Instruction leaflet ZD0868</p>
Comments:	None

Signature (technical design)

Name of signatory

Thierry Lienhardt

Function of signatory

Enclosure Systems Product Engineering Director

Place and date of issue

Obernai, FR 27/02/2023

Signature



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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, 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, 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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