Protection

Circuit protection Earth leakage protection

## Electrical auxiliaries for iC120, DPN, DPN Vigi, ID, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC devices

EN 62019-2 ${ }^{(1)}$
(1) For iC120, DPN.
*(Ua): Voltages measured between the phase and the neutral conductor, at which the MSU device must control the associated protective device.

| Technical | Dimensions |
| :--- | :--- |
| Section 11 | Section 12 |

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which it is associated when the phase/neutral voltage is exceeded (loss of neutral). For a four-phase network, use three MSU tripping auxiliaries


Emergency stop via a normally-open pushbutton

- Remote indication of the position of the associated device


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|  | \|Indication |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Auxiliaries | OF.S | OF | SD | OF+SD/OF | OF+SD24 |
| Type | Open/closed auxiliary contact | Open/closed auxiliary contact | Fault indicating contact | Double open/closed or fault indicating contact | Double open/close and fault indicating contact |
|  |  |  |  |  |  |
| Function |  |  |  |  |  |
|  | Changeover contact indicating the "open" or "closed" position of the associated device | Changeover contact indicating the "open" or "closed" position of the associated device | Changeover contact indicating the position of the associated device in the event of: - electrical fault $\square$ action on the tripping auxiliary | The OF+SD/OF auxiliary is a two-in-one product: choice of $\mathrm{OF}+\mathrm{SD}$ or $\mathrm{OF}+\mathrm{OF}$ contact via the selector switch | 2 contacts (1 NO +1 NC) can report the signalling information of the associated device to the Acti 9 Smartlink or a programmable logic controller: <br> - electrical fault - actuation of the tripping auxiliary <br> - "Open" or "Closed" position of the associated device |
|  |  <br> Compulsory for the addition of tripping or indication auxiliaries on a residual current circuit breaker ID |  | Not compatible with a ID residual current circuit breaker, use an OF+SD/OF in the SD position |  |  |
| Wiring diagrams |  |  |  |  |  |
|  |  |  | N <br> $\stackrel{\sim}{\infty}$ <br> $\stackrel{\infty}{\Gamma}$ <br> $\stackrel{0}{0}$ |  |  |
|  |  |  |  | OF position ${ }^{\text {a }}$ SD position |  |
| Utilization |  |  |  |  |  |
|  | Remote indication of the position of the associated device | Remote indication of the position of the associated device | Remote fault tripping indication of the associated device | - Remote position and/or fault tripping indication of the associated device | Remote indication of position and tripping upon a fault of the associated breaker |
| Catalogue numbers | A9N26923 | A9N26924 | A9N26927 | A9N26929 | A9N26899 |
| ID | $\square$ | $\square$ | - | $\square$ | $\square$ |
| iC120, DPN, DPN Vigi, C60H-DC, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC | - | $\square$ | $\square$ | $\square$ | $\square$ |


| Technical specifications |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated voltage (Ue) | V AC | 24... 415 | 24... 415 | 24... 415 | 24... 415 | - |
|  | V DC | 24... 130 | 24... 130 | 24... 130 | 24... 130 | 24 |
| Operating frequency | Hz | 50/60 | 50/60 | 50/60 | 50/60 | - |
| Mechanical state indicator |  | - | - | On front face | On front face | On front face |
| Test function |  | - | On front face | On front face | On front face | On toggle |
| Width in 9 mm modules |  | 1 | 1 | 1 | 1 | 1 |
| Operating current |  | $\begin{aligned} & 3 \mathrm{~A} / 415 \mathrm{~V} \mathrm{AC} \\ & 6 \mathrm{~A} / \leqslant 240 \mathrm{VAC} \end{aligned}$ |  |  |  | 2 mA mini, 100 mA maxi |
| Number of contacts |  | 1 NO/NC | 1 NO/NC | 1 NO/NC | 1 NO/NC + 1 NO/NC | $1 \mathrm{NO}+1 \mathrm{NC}$ |
| Operating temperature | ${ }^{\circ} \mathrm{C}$ | -25...+50 | $-25 . . .+50$ | -25...+50 | -25...+50 | $-25 . . .+70$ |
| Storage temperature | ${ }^{\circ} \mathrm{C}$ | -40...+85 | -40...+85 | -40...+85 | -40...+85 | -40...+85 |
| Standards |  |  |  |  |  |  |
| IEC/EN 60947-1 |  | - | - | - | - | - |
| IEC/EN 60947-5-1 |  | $\square$ | $\square$ | $\square$ | $\square$ | - IEC 60947-5-4 |
| EN 60947-2 |  | - | - | - | - | - |
| EN 62019-2 ${ }^{(1)}$ |  | $\square$ | $\square$ | $\square$ | $\square$ | - |

(1) For iC120, DPN.

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## Connection



Ti24 connector connection

| $\begin{aligned} & \stackrel{\ddot{\circ}}{0} \\ & \text { \% } \end{aligned}$ | $\square$ | Spring-loaded terminals <br> 10 mm $\begin{gathered} 0.4 \times 2.5 \mathrm{~mm} \\ \square \end{gathered}$ | Type | Catalogue numbers | Copper cables |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Rigid |  | Flexible |
|  | $15$ |  |  | 器 | $\square$ | 路 | $\square$ |
|  |  |  | Ti24 interface | A9XC2412 | $1 \times 0.5$ to $1.5 \mathrm{~mm}^{2}$ |  | $1 \times 0.5$ to $1.5 \mathrm{~mm}^{2}$ |

Ti24 prefabricated cables connection

|  | Type | Cat. no. | Length |
| :---: | :---: | :---: | :---: |
|  | Connection for Acti 9 Smartlink |  |  |
|  | 6 short prefabricated | A9XCAS06 | 100 mm |
|  | 6 medium-sized prefabricated | A9XCAM06 | 160 mm |
|  | 6 long prefabricated | A9XCAL06 | 870 mm |



6 long prefabricated on $\mid$ A9XCAU06 870 mm a single side


## Dimensions (mm)



