

# DRIVE-CLIQ ADAPTERS

## Additional information



EC-PA-DQS interfaz universal para encoders FeeDat a DRIVE-CLiQ.  
*EC-PA-DQS, universal interface for FeeDat encoders to DRIVE-CLiQ.*

**Encóders absolutos soportados:**  
**Supported absolute encoders:**

Lineales / *Linear*: G3BD10-FS, G3BD50-FS; S(V)3BD10-FS, S(V)3BD50-FS

Angulares / *Angular*: H3BD-26-D90-FS, H3BD-28-D90-2-FS

Características relacionadas con la seguridad según las normas ISO13849-1:2015 e IEC61508:2010 del sistema de encoder con Seguridad Funcional.

*Characteristics related to the safety according to ISO13849-1:2015 and IEC61508:2010 norms of the encoder system with Functional Safety.*

| Capacidad de Seguridad de acuerdo con ISO 13849-1: 2015 e IEC61508: 2010<br><i>Safety Capability according ISO 13849-1: 2015 and IEC61508: 2010</i> |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                                                                                                                                                     | EC-PA-DQS + G3BD-FS<br>EC-PA-DQS + S(V)3BD-FS |
| MTTF <sub>d</sub> (años / <i>years</i> )                                                                                                            | 66.75                                         |
| DC (%)                                                                                                                                              | 99                                            |
| Categoría / <i>Category</i>                                                                                                                         | 3                                             |
| Nivel de prestaciones<br><i>Performance level, PL</i>                                                                                               | d                                             |
| PFH (2000 m)                                                                                                                                        | $19.48 \cdot 10^{-9}$                         |
| Para aplicaciones hasta<br><i>For applications up to</i>                                                                                            | SIL 2                                         |

El sistema de encoder también cumple la norma IEC61800-5-2:2017.  
*The encoder system also complies with IEC61800-5-2:2017.*

| Capacidad de Seguridad de acuerdo con ISO 13849-1: 2015 e IEC61508: 2010<br><i>Safety Capability according ISO 13849-1: 2015 and IEC61508: 2010</i> |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|                                                                                                                                                     | EC-PA-DQS + H3BD-D90-FS |
| MTTF <sub>d</sub> (años / <i>years</i> )                                                                                                            | 66.75                   |
| DC (%)                                                                                                                                              | 99                      |
| Categoría / <i>Category</i>                                                                                                                         | 3                       |
| Nivel de prestaciones<br><i>Performance level, PL</i>                                                                                               | d                       |
| PFH (2000 m)                                                                                                                                        | $20.15 \cdot 10^{-9}$   |
| Para aplicaciones hasta<br><i>For applications up to</i>                                                                                            | SIL 2                   |

El sistema de encoder también cumple la norma IEC61800-5-2:2017 e IEC61800-5-3:2021.  
*The encoder system also complies with IEC61800-5-2:2017 and IEC61800-5-3:2021.*



**EC-PA-DQ1 interfaz universal para encoders FeeDat a DRIVE-CLiQ.**  
**EC-PA-DQ1, universal interface for FeeDat encoders to DRIVE-CLiQ.**

**Encóders absolutos soportados:**  
**Supported absolute encoders:**

Lineales / *Linear*: S(V)AD10, S(V)AD50, GAD10, GAD50, LAD10, LAD50, S(V)2AD10, S(V)2AD50, G2AD10, G2AD50, S(V)3BD01, S(V)3BD10, G3BD01, G3BD10; L3BD10, L3BD50.

Angulares / *Angular*: HAD-23-D90, HAD-27-D90, SAD-23-D90, SAD-27-D90, HAD-27-D200, SAD-27-170, H2AD-23-D90, H2AD-26-D90, H2AD-27-D90, H2AD-28-D90, S2AD-23-D90, S2AD-26-D90, S2AD-27-D90, S2AD-28-D90, H2AD-27-D200, H2AD-29-D200, S2AD-27-170, S2AD-28-170.

El SCSE tiene las siguientes características relacionadas con las seguridad según la norma ISO 13849-1: 2008 e IEC61508: 2010.

*The SCSE has the following safety related capabilities according to ISO 13849-1:2008 and IEC61508:2010.*

| <b>Capacidad de Seguridad de acuerdo con ISO 13849-1:2008 y IEC61508:2010</b><br><b>Safety Capability according ISO 13849-1:2008 and IEC61508:2010</b> |                                |                            |                             |                                |                             |                                |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|
|                                                                                                                                                        | EC-PA-DQ1<br>+<br>GAD/SAD SCSE | EC-PA-DQ1<br>+<br>LAD SCSE | EC-PA-DQ1<br>+<br>G2AD SCSE | EC-PA-DQ1<br>+<br>S(V)2AD SCSE | EC-PA-DQ1<br>+<br>G3BD SCSE | EC-PA-DQ1<br>+<br>S(V)3BD SCSE | EC-PA-DQ1<br>+<br>L3BD SCSE |
| MTTF <sub>d</sub> (años / years)                                                                                                                       | 252                            | 254                        | 249                         | 223                            | 228                         | 230                            | 288                         |
| DC (%)                                                                                                                                                 | 70                             |                            |                             |                                |                             |                                |                             |
| Categoría / Category <sup>(a)</sup>                                                                                                                    | 2                              |                            |                             |                                |                             |                                |                             |
| Nivel de prestaciones<br>Performance level, PL <sup>(a)</sup>                                                                                          | d                              |                            |                             |                                |                             |                                |                             |
| SIL <sup>(a)</sup>                                                                                                                                     | 1                              |                            |                             |                                |                             |                                |                             |
| Para aplicaciones hasta<br>For applications up to <sup>(a)</sup>                                                                                       | SIL 2, PL d, Cat 3             |                            |                             |                                |                             |                                |                             |

- <sup>(a)</sup> Cuando se utiliza junto con otro encoder Seguro en el mismo eje en aplicaciones hasta **SIL2, Category 3, Performance Level d**.  
*When used in conjunction with another safety encoder in the same axis in applications up to **SIL 2, Category 3, Performance Level d**.*

**XC-C8-PA-DQ interfaz universal para encoders FeeDat a DRIVE-CLiQ.**  
***XC-C8-PA-DQ, universal interface for FeeDat encoders to DRIVE-CLiQ.***

**Encóders absolutos soportados:**  
***Supported absolute encoders:***

Lineales / *Linear*: L2AD10, L2AD50.

Angulares / *Angular*: H2AD-23-D87, UTD-23, UTD-26, UTD-27, UTD-28-UTD-29