EMERSON DELTAV EXACT-MODEL PRODUCT

KL3022X1-BA1 12P4629X042

KL3022X1-BA1 12P4629X042 is an Emerson DeltaV analog-output CHARM for 4-20 mA HART service. Emerson documents the KL3022X1-BA1 base type, CHARM-bus power, field-circuit rating, and keying; the 12P4629X042 assembly marking remains an exact procurement identifier.

PRODUCT FAMILY	PRODUCT TYPE
DeltaV Electronic Marshalling	**4-20 mA HART Output CHARM**

Exact model configuration

CONFIGURATION FIELD	VERIFIED VALUE / CHECK
Displayed model	**KL3022X1-BA1 12P4629X042**
Manufacturer	**Emerson**
Product family	**DeltaV Electronic Marshalling**
Product type	**4-20 mA HART Output CHARM**
Base CHARM	**KL3022X1-BA1**
Order / assembly code	**12P4629X042**
Signal function	**Analog output**
Signal standard	**4-20 mA with HART**
CHARM Bus power	**+6.3 VDC at 32 mA**
Field circuit rating	**+24 VDC at 30 mA**
Ambient temperature	**-40 to +70 degrees C**
Relative humidity	**5 to 95% non-condensing**
Terminal key position	**4A**
Country of origin	**Confirm with supplied unit**

Application fit

- Use only with a compatible DeltaV CHARM terminal block and Electronic Marshalling installation.
- Complete the energy-limited-node loop assessment and remove power where required by the area classification.
- Verify channel assignment, range, HART device relationship, and fail-state behavior after installation.

PRODUCT-SPECIFIC REFERENCE	INSTALLATION NOTE
KL3022X1-BA1 AO 4-20 mA HART CHARM with exact 12P4629X042 assembly marking.	Confirm terminal-block keys, loop power, channel ownership, fail-state, and HART configuration before energizing the output loop.

MODEL-SPECIFIC ENGINEERING REFERENCE

Before ordering KL3022X1-BA1 12P4629X042

Use this page as a controlled procurement checklist. It does not replace the manufacturer instruction sheet, wiring drawing, approval certificate, or site safety procedure.

Ordering limits and selected values

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Country of origin	**Confirm with supplied unit**

Procurement checklist

- Verify KL3022X1-BA1 and 12P4629X042 labels.
- Confirm CHARM terminal block and 4A keying.
- Record control-module and channel assignment.
- Check loop power, polarity, range, and fail action.
- Stroke or simulate the final element and validate HART communication.

DIRECT SALES INQUIRY

Send the full model **KL3022X1-BA1 12P4629X042**, quantity, delivery country, and a clear nameplate or installed-module photo.

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Source and document status

Technical basis	Emerson KL3022X1-BA1 AO 4-20 mA HART CHARM ATEX Instruction Sheet ATEX33 (July 2021).
Publisher	Moore Automation - independent industrial automation supplier.
Document status	Independent product manual; not a manufacturer-issued datasheet, conformity certificate, or calibration certificate.
Important	Verify the complete nameplate, suffix, carrier or terminal hardware, wiring, approvals, and installed-system compatibility before ordering.