WESTINGHOUSE 7379A06G02 3A99160G02

QCI Contact Input Card

WESTINGHOUSE 7379A06G02 3A99160G02 is a sixteen-channel Q-Line QCI digital contact-input card with an isolated 48 V wetting supply.

01	02	03	04
Sixteen filtered contact inputs	48 V nominal contact wetting	Optical isolation per input	Selectable data-bit polarity

System position

Dry field contact	QCI wetting and filtering	Two eight-bit data groups	DIOB controller

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 7379A06G02 3A99160G02 is retained without shortening its suffix.	In a WDPF Q-Line contact path, WESTINGHOUSE 7379A06G02 3A99160G02 converts field-contact states into two eight-bit DIOB bytes. Cable resistance, leakage, filter timing and address jumpers are key acceptance points.	Only exact-model or explicitly applicable family facts are populated.	Connections, configuration, function and safe response require recorded proof.

02 / CAPABILITY AND INTERFACE MAP

Verified technical matrix

Product type	QCI digital contact-input card
Channel count	16
Input arrangement	Common return
Open-circuit voltage	42 to 56 V; 48 V nominal
Closed-contact current	6 to 22 mA; 14 mA nominal

Always rejected pulse	Less than 2.6 ms
Always passed pulse	Greater than 6.0 ms
Leakage resistance	50 kilohms minimum
Closed-circuit resistance	60 ohms maximum by wiring equation
Minimum open-close cycle	Greater than 15 ms

Interface architecture

Contact boundary	Wetting boundary	Logic boundary	Bus boundary
Sixteen dry contacts sharing a return	Dual isolated on-card contact-wetting supply	Filtering, optional inversion and address selection	Two eight-bit contact-state groups delivered to DIOB

Control path

Dry field contact	QCI wetting and filtering	Two eight-bit data groups	DIOB controller

Technical service focus

H1	H2	H3	H4
Sixteen filtered contact inputs	48 V nominal contact wetting	Optical isolation per input	Selectable data-bit polarity

Use cases with controlled scope

Machine-status input	Protection-contact monitoring	Legacy Q-Line replacement	Digital input troubleshooting
Collects sixteen dry-contact indications.	Filters short disturbances before DIOB transfer.	Restores the exact combined QCI card identity.	Separates contact, cable, wetting supply, filter and DIOB checks.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 7379A06G02 3A99160G02 remains complete in purchasing, drawings and labels.	Installed position and surrounding hardware are verified before exchange.	Project data, jumpers, wiring and settings are recorded as applicable.	Functional and safe-state evidence is captured before release.

Installation decision points

1	2	3	4
De-energize or isolate connected contact circuits before handling WESTINGHOUSE 7379A06G02 3A99160G02.	Preserve both identifiers in the combined model record and verify the G02 group.	Record all channel assignments, polarity inversion settings and address jumpers.	Keep open-contact leakage resistance at or above 50 kilohms.

System relationship

Dry field contact	QCI wetting and filtering	Two eight-bit data groups	DIOB controller

FAQ decision matrix

Engineering decision	Controlled response
How many inputs belong to WESTINGHOUSE 7379A06G02 3A99160G02?	The QCI card provides sixteen digitally filtered contact inputs.
Which wetting voltage is used by WESTINGHOUSE 7379A06G02 3A99160G02?	Its isolated supply provides 48 V nominal contact wetting, with a 42 to 56 V open-circuit range.
What current is documented for a closed contact on WESTINGHOUSE 7379A06G02 3A99160G02?	The closed-contact current is 6 to 22 mA, nominally 14 mA.
Which pulses are rejected by WESTINGHOUSE 7379A06G02 3A99160G02?	Input changes shorter than 2.6 ms are always rejected.

Eight release precautions

1 De-energize or isolate connected contact circuits before handling WESTINGHOUSE 7379A06G02 3A99160G02.	**2** Preserve both identifiers in the combined model record and verify the G02 group.	**3** Record all channel assignments, polarity inversion settings and address jumpers.	**4** Keep open-contact leakage resistance at or above 50 kilohms.
5 Apply the 60-ohm closed-circuit wiring equation to every field path.	**6** Do not expect pulses shorter than 2.6 ms to pass the digital filter.	**7** Verify the 48 V nominal wetting supply and each channel LED.	**8** Release the card only after all used contacts, polarity settings and DIOB bytes pass.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Westinghouse Q-Line Installation Manual M0-0053, QCI Style 7379A06G02	Supports only the exact-model or explicitly applicable family facts used in this document.
Exact-model equipment records pairing 7379A06G02 with 3A99160G02	Supports only the exact-model or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1C31233G04	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1X00188H01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31197G05	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 7379A06G02 3A99160G02 QCI Contact Input Card Verify the complete nameplate before installation.