Honeywell

CS, CSP, MCS Current Switches and CR Relays

PRODUCT DATA

CURRENT SWITCHES: MCS, CS & CSP

Features

APPLICATION
- Detecting mechanical failure on fans and pumps
- Monitoring status of industrial processes and critical motors

CS SERIES
- Same benefits as CSP current switch with a more-compact package
- Low amperage detection
- Solid core; fixed and adjustable

CSP SERIES
- Prior to installation, the current threshold is preset thereby allowing the installer to avoid electrical hazards when adjusting in presence of line voltage
- Lowest installed cost
- No need to return to job site to calibrate
- Save approximately 30 minutes time for each sensor install
- Split core; fixed and adjustable
- Optional command relay

MCS SERIES (MINI-ADJUSTABLE)
- Ultra small, fits almost anywhere
- Low amperage detection
- Solid core; adjustable

CSP-NO-A-100A

CS-NO-A-50A

MCS-NO-A-50A

CURRENT RELAYS: CR SERIES

A Key Accessory for both current switches and transmitters.

- Designed to be added to the CSP or CTP Series to provide start/stop status in a single device
- Reduces number of installed components
- Simple, integral switch attachment

CR SERIES RELAY

SPECIFICATIONS

Table 1. CS/CSP/MCS SERIES CURRENT SWITCHES

Model Number	Trip Point	Core Type	Max. Current	Application
MCS-NO-A-50A	Adjustable, 0.75-50FLA	Micro-Solid	50A	Standard
CS-NO-F-50A	Fixed, 0.25A	Solid	50A	Standard
CS-NO-A-50A	Adjustable, 0.75-50FLA	Split	50A	Standard
CSP-NO-A-50A	Adjustable, 0.45-50FLA	Split	50A	Standard
CSP-NO-A-100A	Adjustable, 0.50-100FLA	Split	100A	Standard
CSP-NO-A-150A	Adjustable, 0.50-150FLA	Split	150A	Standard
CSP-NO-F-200A	Fixed, 0.35A	Split	200A	Standard
CSP-NO-AVFD-150A	Automatically detected above 40 Hz	Split	150A	VFD Controlled Motor
CSP-NO-AECM-200A	Adjustable, 0.25-3A Trip	Split	200A	ECM - Electronically Commutated Motor

Table 2. CR SERIES RELAYS

Model Number	Coil Rating	Contact Type/Rating
CR-24V-NO-10A	24VAC/DC, 15mA nom.	N.O. / 10A @ 125VAC
CR-24V-NC-10A	24VAC/DC, 15mA nom.	N.C. / 10A @ 125VAC
CR-12VDC-NO-10A	9-12VDC, 30mA nom.	N.O. / 10A @ 125VAC
CR-12VDC-NC-10A	9-12VDC, 30mA nom.	N.C. / 10A @ 125VAC

SPECIFICATIONS

Maximum surrounding air ambient, 60 ° C. For use in Pollution Degree 2 Environment.

Fixed Current Switches

Output Type
NO, solid-state FET

Output Rating
1.0A@30VAC/DC Max.

Temperature Rating
-15~60 ° C

Insulation Class
600V RMS. For use on insulated conductors only!
Use minimum 75 ° C insulated conductor

Sensor Power
Induced

Frequency Range
50/60Hz

Dimensions (LxWxH)
CSP-NO-F-200A: 2.94" x 2.23" x 0.82"
CSP-NO-F-200A: 1.4" H with optional relay module
CS-NO-F-50A: 2.27" x 1.60" x 1.04"

Sensor Aperture
CSP-NO-F-200A: 0.75"
CS-NO-F-50A: 0.52"

Current Relays

Contact Rating: 10A @ 125 VAC (UL C300 RATED)

Temperature Rating: -15 to 60 °C

Dimensions (LxWxH): 2.94" x 2.23" x 0.82" (1.4" H with optional relay module)

Maximum surrounding air ambient, 60 °C.
For use in Pollution Degree 2 Environment.

Adjustable Current Switches

Turn-on Amperage CSP-NO-AVFD-150A
1A(30Hz min), 1.5A(20Hz min), 2.5A(10Hz min)

Output Type
NO, solid-state FET

Temperature Rating
-15~60 ° C

Insulation Class
600V RMS. For use on insulated conductors only!
Use minimum 75 ° C insulated conductor

Sensor Power
Induced

Frequency Range
50/60Hz
CSP-NO-AVFD-150A: 10 -120Hz; proof of flow loss alarm at 40Hz+

Dimensions (LxWxH)
MCS-NO-A-50A: 1.78" x 1.32" x 0.66"
CS-NO-A-50A: 2.27" x 1.61" x 0.69"
*CSP-NO-A-xxxA / *CSP-NO-AECM-200A: 2.94" x 2.23" x 0.82"
*CSP-NO-AVFD-150A: 2.51" x 2.23" x 0.82"
*1.4" H with optional relay module

Sensor Aperture
MCS-NO-A-50A: 0.3"
CS-NO-A-50A: 0.5"
CSP-NO-A-xxxA / CSP-NO-AECM-200A / CSP-NO-AVFD-150A: 0.75"

* Amperage minimum is frequency dependent, see Turn-On Amperage

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