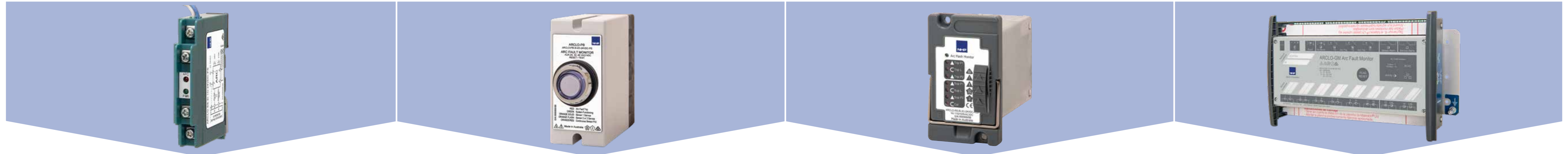
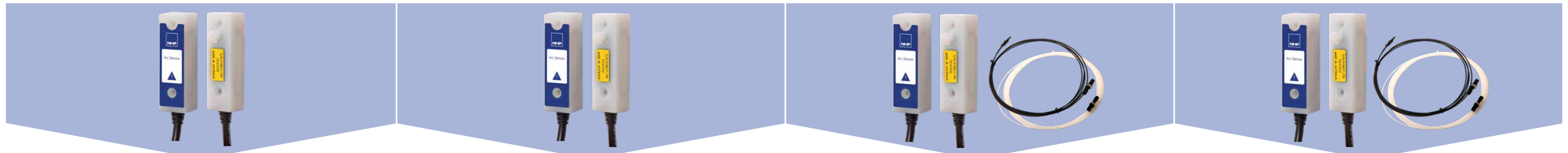


NHP Arc LogiX™ Optical Arc Flash Relay Selection Chart



Arc Flash Detection Relay model		ARCL0-SS	ARCL0-PB	ARCL0-RS	ARCL0-GM
Response time		< 2ms (Flash to trip output contacts)	< 10ms (Flash to trip output contacts)	< 7ms (Flash to trip output contacts)	< 2.2ms (Flash to trip output contacts)
Auxiliary voltage		24V DC	24V DC	24V DC	24V DC
Maximum number of sensor inputs	Point sensor	2	3	4	12
	Linear sensor	-	-	1	2
Number of high speed trip output contacts		1	2	4	3
Output type		Solid-State NPN*	Volt-Free Contact	Volt-Free Contact	Volt-Free Contact
Communication protocol		-	-	-	IEC61850 Goose & MMS
Communication response time		-	-	-	< 4.5ms (GOOSE response from Flash)
Configuration options		-	Dip Switch	Rotary Switch	Web Server
Functionality		Trip Supervision and Indication	Trip Supervision and Indication	Trip Supervision and Indication	Trip Supervision and Indication
Mounting options		DIN rail	DIN rail / Surface	DIN rail / Surface	DIN rail / Surface
Compatible optical sensor		Point Sensor	Point Sensor	Point sensor and Linear sensor	Point sensor and Linear sensor
Relay catalogue number		ARCLOSS2I1024VDCPS¹⁾	ARCLOPB3I2024VDCPS¹⁾	ARCLORS5I3024VDCPLS¹⁾	ARCLOGM14I3024VDCPLS¹⁾



Sensor Catalogue number	Point sensor	ARCL0PS ²⁾	ARCL0PS ²⁾	ARCL0PS ²⁾	ARCL0PS ²⁾
	Linear sensor	-	-	ARCL0LS10M ³⁾	ARCL0LS10M ³⁾

* The ARCL0-SS requires a suitable interposing relay to match the shunt coil control voltage in an upstream breaker.
 For 12/24V DC shunt coil voltage, order NHP relay part number 3930902424VDC
 For 125/220V DC shunt coil voltage, order NHP relay part number RD3501D
 For 12/230V AC shunt coil voltage, order NHP relay part number 3930824024VDC

1) Part number only refers to the relay. Compatible sensor(s) are to be ordered separately. For ARCL0-RS, sensor ARCL0LS10M is a compulsory selection.

2) Part number refers to one (1) optical point sensor only. Refer to the selection chart for max. number of sensor inputs per relay type. ARCL0-SS requires 2 x ARCL0PS connected at all times to ensure correct supervision function.

3) Parts number refers to 10m optical fibre length.