

CRI20048**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

General ordering data

Version	CUBESERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	3052440000
Type	CRI20048
GTIN (EAN)	4099987022286
Qty.	10 items

CRI20048

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E223474

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.6181 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	14 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-20 °C...70 °C
Operating temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E223474
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Control side

Rated control voltage	48 V DC	Rated current DC	8.3 mA
Power rating	400 mW	Coil resistance	5700 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Inrush current	12 A / 20 ms
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	192 W @ 24 V
Switch-on delay	≤ 12 ms	Switch-off delay	≤ 6 ms
Contact type	2 CO contact (AgNi)	Mechanical service life	3 x 10 ⁷ switching cycles
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V		

General data

Operating altitude	≤ 2000 m, above sea level	Test button available	No
Mechanical switch position indicator	No	Colour	blue
UL 94 flammability rating	V-2		

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Insulation coordination

Rated voltage	250 V	Pollution severity	3
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 10 mm
Dielectric strength for control side - load side	5 kVeff / 1min	Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.
Dielectric strength of open contact	1 kVeff / 1 min	Impulse withstand voltage	4 kV (1.2/50 µs)
Protection degree	IP40		

Further details of approvals / standards

Certificate No. (CSA)	607178-80219312	Certificate No. (cURus)	E223474
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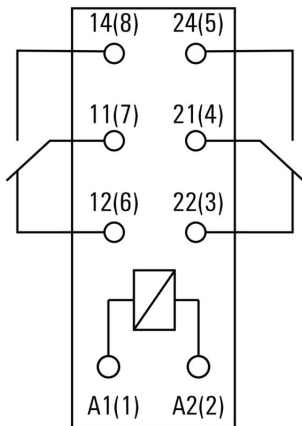
Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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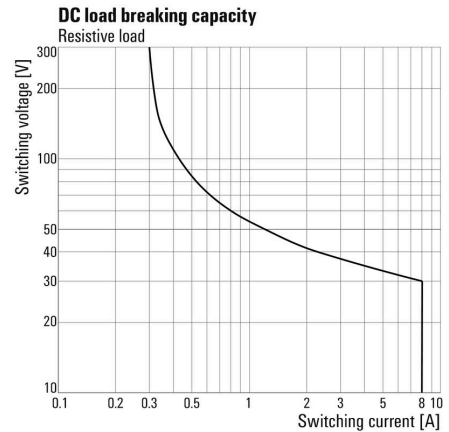
Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

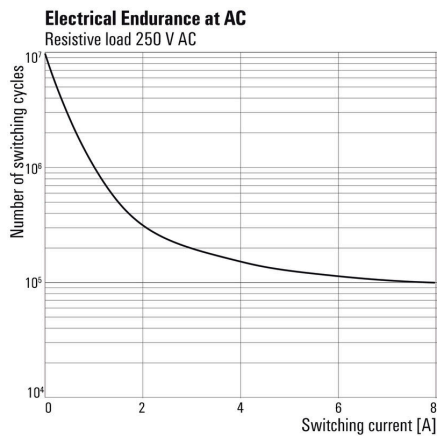
Connection diagram



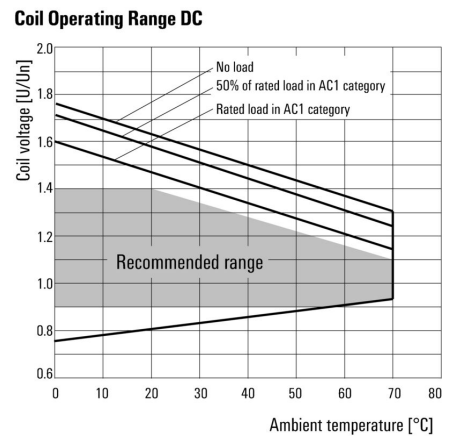
Graph



Graph



Graph



Dimensional drawing



Miscellaneous

Type code CUBESERIES relay versions



Type codes