

RCM570S15**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCM

- 4 CO contacts
- Optional AC or DC coils
- With test button and integrated status LED

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact with test button AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 6 A, Plug-in connection
Order No.	8690150000
Type	RCM570S15
GTIN (EAN)	4032248360802
Qty.	10 pc(s).

Creation date March 29, 2021 11:05:58 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

RCM570S15

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	29 mm	Depth (inches)	1.142 inch
Height	28 mm	Height (inches)	1.102 inch
Net weight	28.2 g	Width	22.5 mm
Width (inches)	0.886 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Rated data UL

Certificate No. (cURus)	E224238
-------------------------	---------

Control side

Coil resistance	4845 $\Omega \pm 12\%$	Power rating	1058 mVA
Pull-in/drop-out voltage, typ.	92 V / 34.5 V AC	Rated control voltage	115 V AC
Rated current AC	9.2 mA	Status indicator	red LED

Load side

AC switching capacity (resistive), max.	1500 VA	Continuous current	6 A
DC switching capacity (resistive), max.	144 W @ 24 V	Inrush current	12 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	240 V
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Rated switching voltage	250 V AC
Switch-off delay	≤ 10 ms	Switch-on delay	≤ 15 ms

Contact data

Contact type	Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles
4 CO contact with test button (AgNi 90/10)		

General data

Test button	yes (lockable)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Creepage and clearance distance input – output	≥ 4 mm	Dielectric strength of neighbouring contacts	2 kV _{eff} / 1 min
Dielectric strength of open contact	1.2 kV _{eff} / 1 min.	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	5 kV (1.2/50 μ s)	Insulating material group	IIIa
Pollution severity	2	Protection degree	IP20
Rated voltage	250 V	Surge voltage category	III

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011762	Certificate No. (cURus)	E224238

RCM570S15

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Connection data

Wire connection method	Plug-in connection
------------------------	--------------------

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01

Approvals

Approvals



ROHS	Conform
UL File Number Search	E224238

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

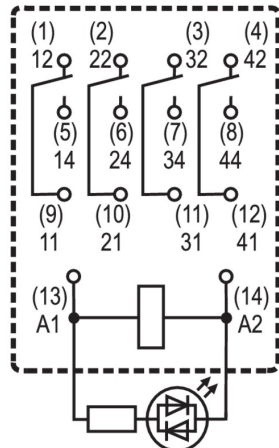
RCM570S15

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

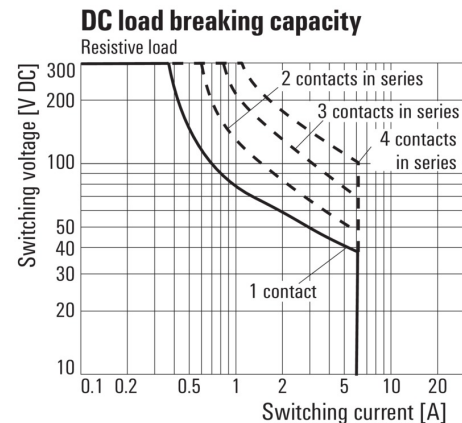
Drawings

Wiring diagram



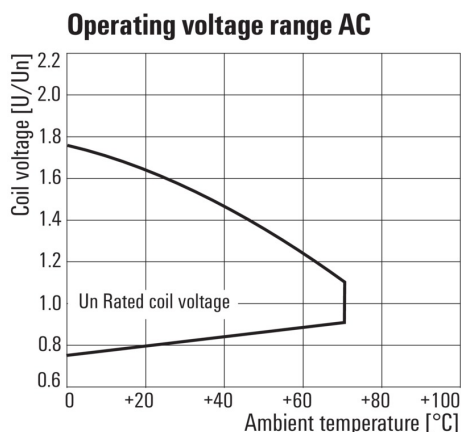
View of Pins from below

Graph



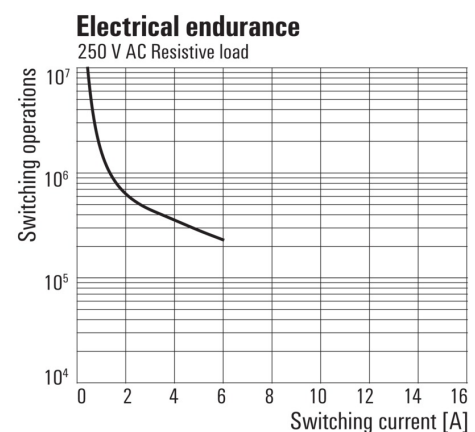
DC load limit curve
Resistive load

Graph



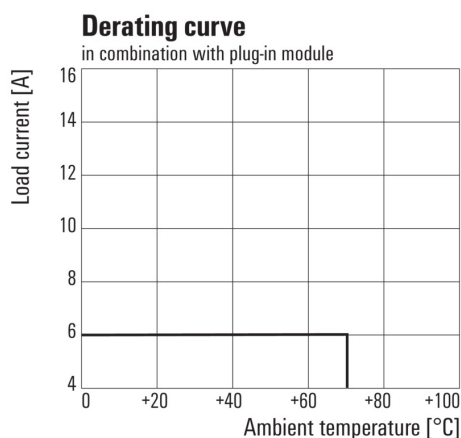
AC operational voltage range

Graph



Electrical service life
250 V AC resistive load

Graph



Derating curve
Relay in combination with base

Dimensional drawing

