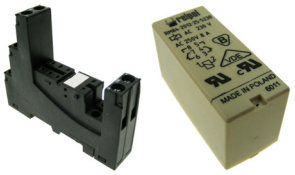
Miniature Relays & Sockets RMx

Description

A range 1 & 2 pole relays and bases in a choice of coil voltage.



Features

- Choice of coil voltages
- 12Vdc coil suitable for use with Trend BMS
- Small footprint

Technical Specification

		RM87	RM85	RM84
Dimensions (L x W x H mm):		29 x 12.7 x 15.7	29 x 12.7 x 15.7	29 x 12.7 x 15.7
Number and type of contacts:		1 C/O	1 C/O	2 C/O
Max. switching voltage AC/DC:		400V/300V	400V/300V	400V/300V
Rated load:	**AC1:**	10A/250Vac	16A/250Vac	8A/250Vac
	DC1:	10A/24Vdc	16A/24Vdc	8A/24Vdc
Max. inrush current:		20A	30A	15A
Max. operating frequency:	**At rated load AC1:**	600 cycles/hr	600 cycles/hr	600 cycles/hr
	No load:	72000 cycles/hr	72000 cycles/hr	72000 cycles/hr
Rated Coil voltage:	**50/60Hz, AC:**	See table	See table	See table
	DC:	See table	See table	See table
Rated power consumption:	**AC:**	0.75VA	0.75VA	0.75VA
	DC:	0.25W	0.4W	0.4W
Electrical life resistive AC1:		$\geq 10^5$	$\geq 10^5$	$\geq 10^5$
Mechanical life (cycles):		$\geq 3 \times 10^7$	$\geq 3 \times 10^7$	$\geq 3 \times 10^7$
Weight:		14g	14g	14g
Ambient temperature:	**Storage:**	-40...+85°C	-40...+85°C	-40...+85°C
	Operating:	-40...+70°C	-40...+70°C	-40...+70°C
Cover protection category:		IP40	IP40	IP40
Vibration resistance:		10 g 10...150 Hz	10 g 10...150 Hz	10 g 10...150 Hz

Order Codes

1 pole	1 pole 16A	2 pole	Description
RM87-12D	**RM85-12D**	**RM84-12D**	Miniature Relay 12VDC
RM87-24D	**RM85-24D**	**RM84-24D**	Miniature Relay 24VDC
RM87-24A	**RM85-24A**	**RM84-24A**	Miniature Relay 24VAC
RM87-110A	**RM85-110A**	**RM84-110A**	Miniature Relay 110VAC
RM87-230A	**RM85-230A**	**RM84-230A**	Miniature Relay 230VAC
RM87-T	**RM84-T**	**RM84-T**	Standard Base
RM-CLIP	Retain/Eject clip for RMx-T bases		

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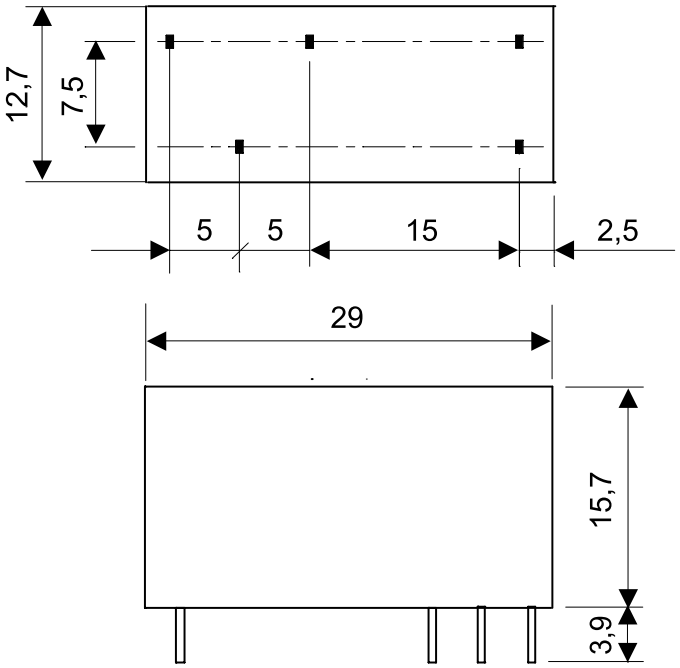
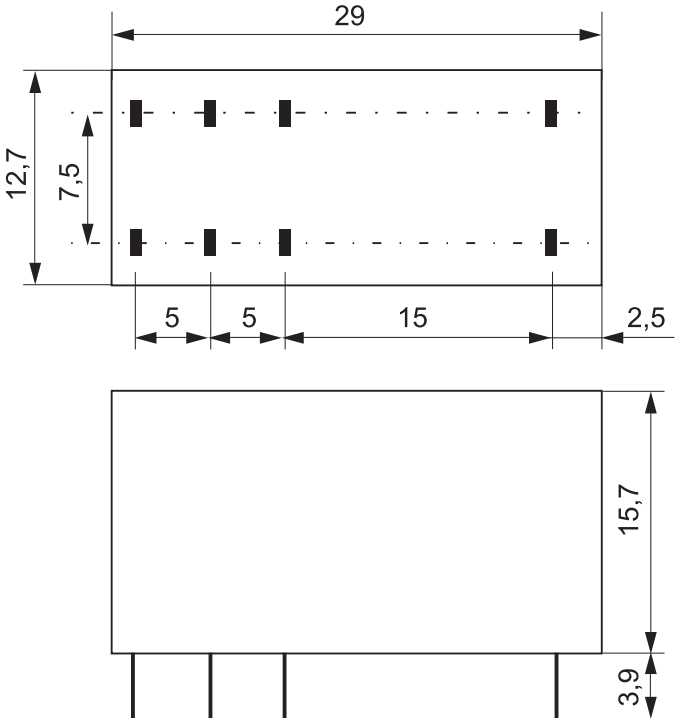
Dimensions

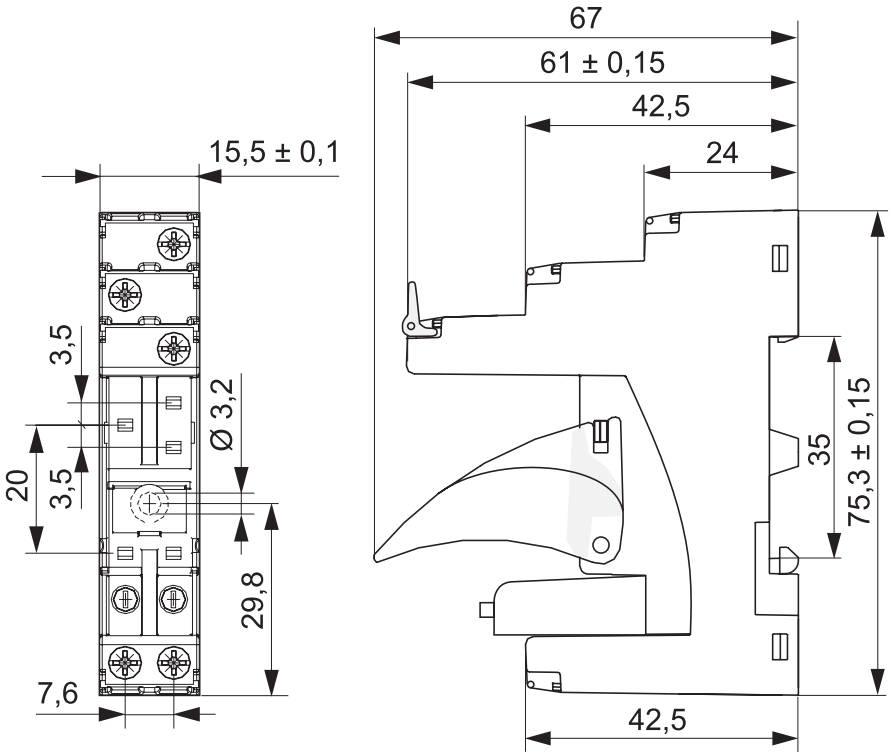
RM87



RM84/RM85



RM87-T/RM84-T/RM85-T



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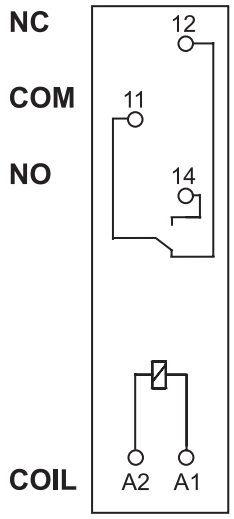
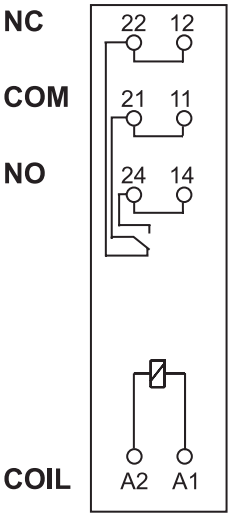
Connection Details

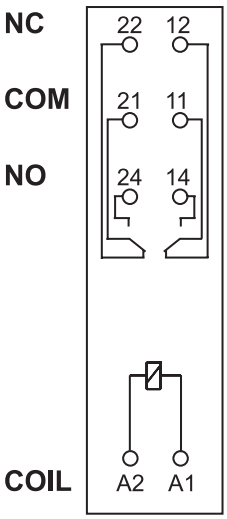
RM87



RM85



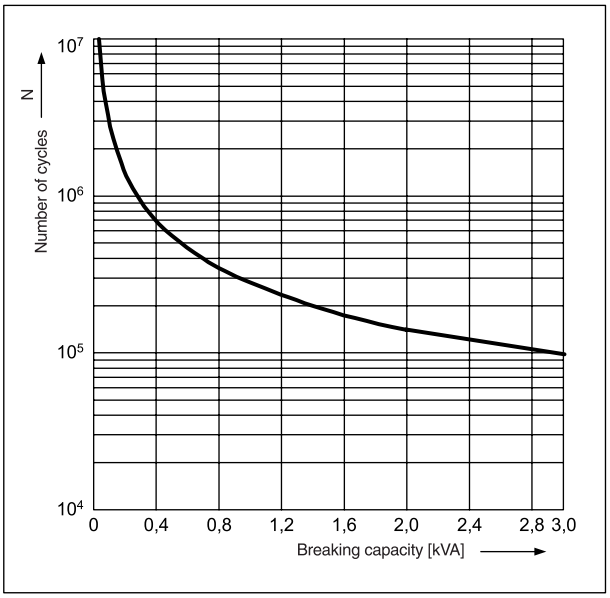
RM84



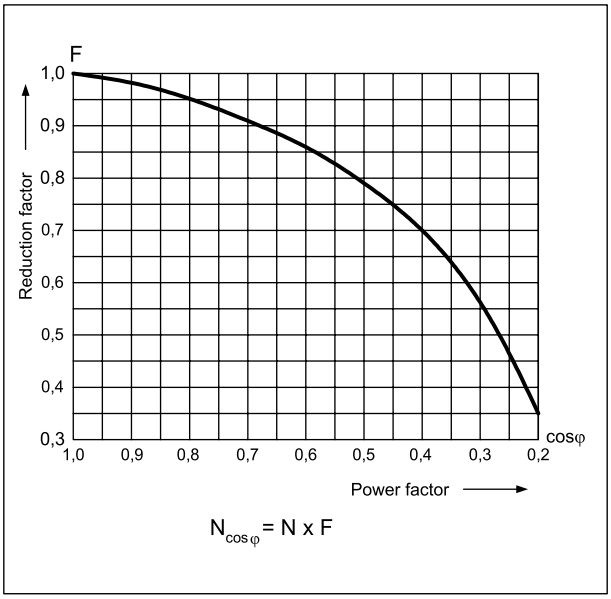
Specification Curves

RM87

Electrical life at AC resistive load.
Maximum switching frequency at rated load



Electrical life reduction factor
at AC inductive load



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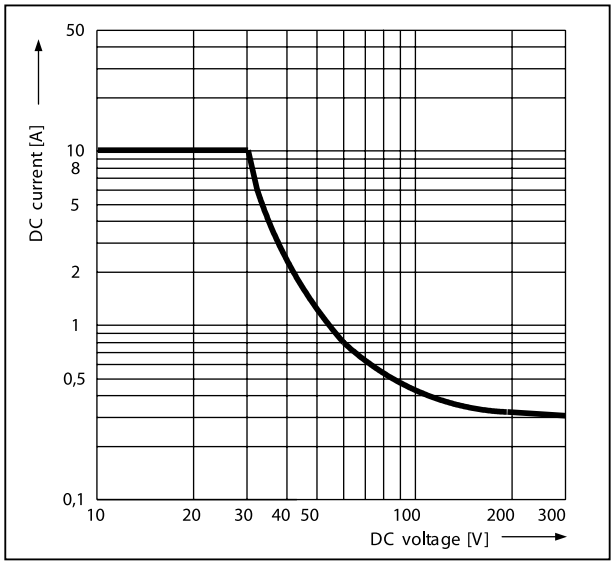
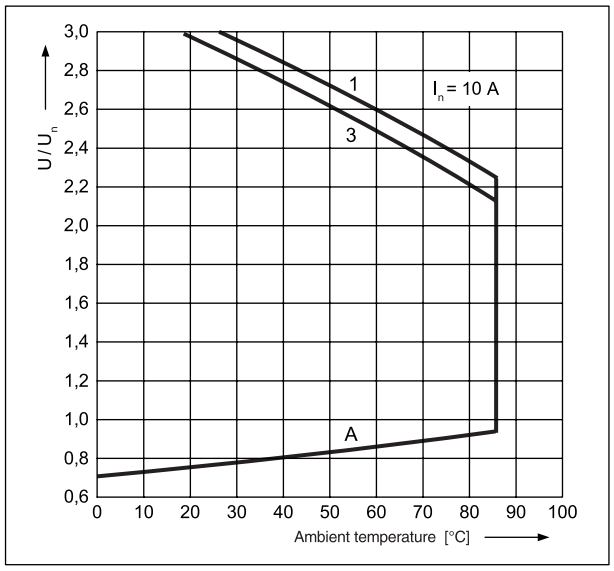
Specification Curves (continued)

RM87 (continued)

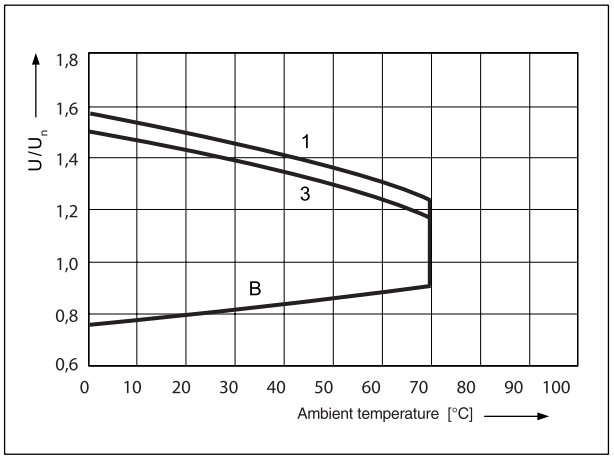
Max. DC resistive load breaking capacity - sensitive version



Coil operating range - DC - sensitive version



Coil operating range - AC 50 Hz



Key:

A- Relations between make voltage and ambient temperature at no load on contacts. Coil temperature and ambient temperature are equal before coil energizing. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

B- relations between make voltage and ambient temperature after initial coil heating up with 1,1 U, at continues load of I on contacts. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

1, 2, 3- Values on Y axis represent allowed over-voltage on coil at certain ambient temperature and contact load:

1- No load

2- 50% of rated load

3- Rated load

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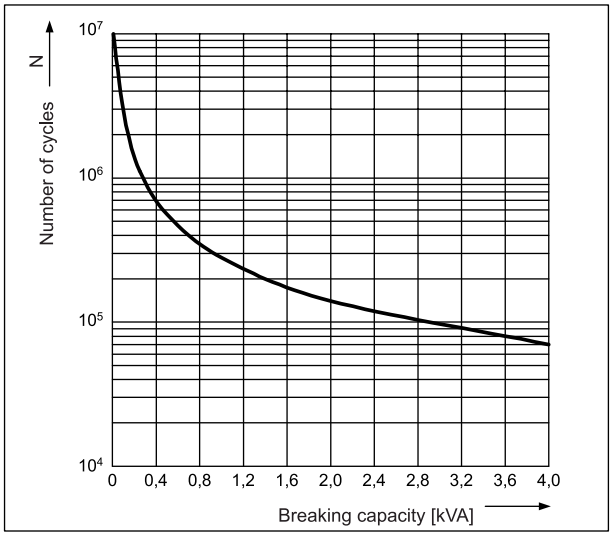
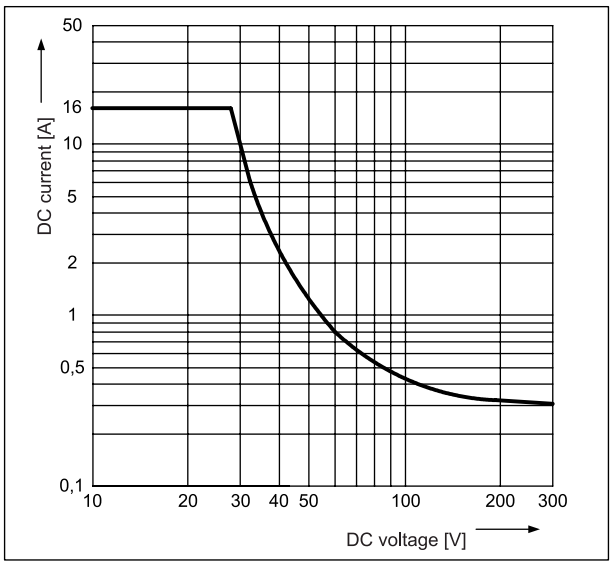
Specification Curves (continued)

RM85

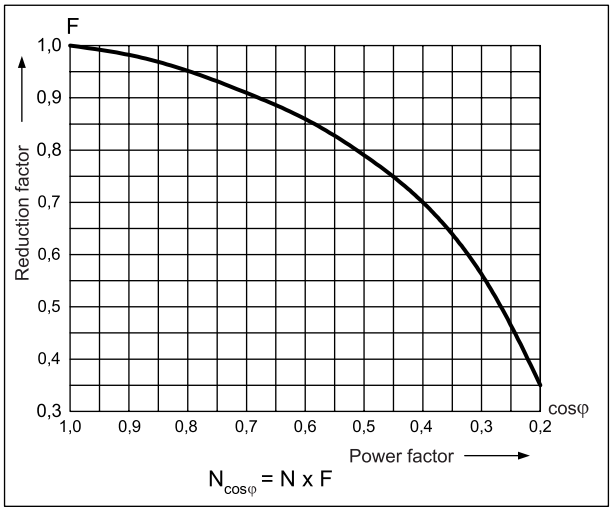
Electrical life at AC resistive load.
Maximum switching frequency at rated load



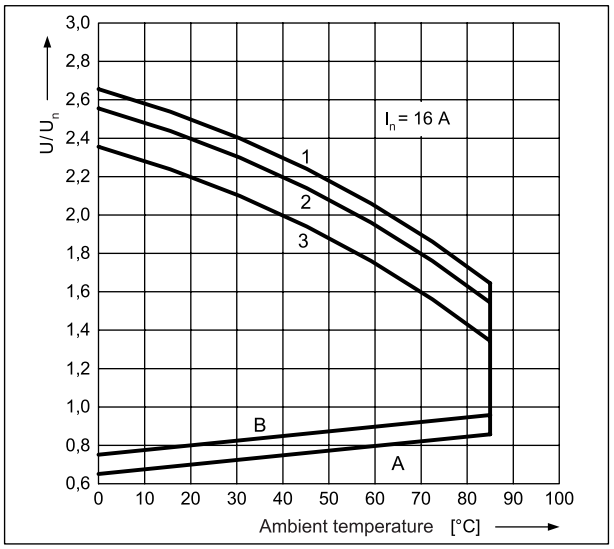
Max. DC resistive load breaking capacity



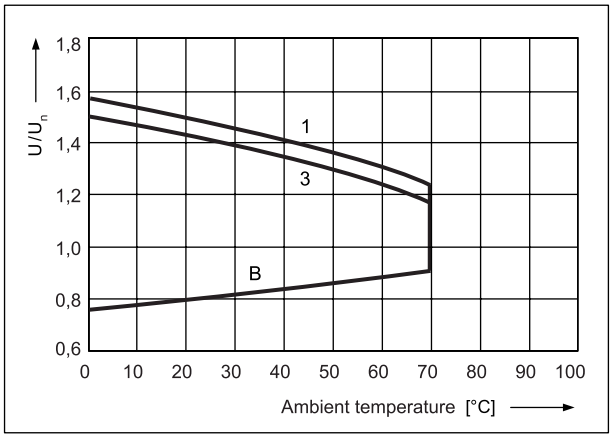
Electrical life reduction factor
at AC inductive load



Coil operating range - DC



Coil operating range - AC 50 Hz



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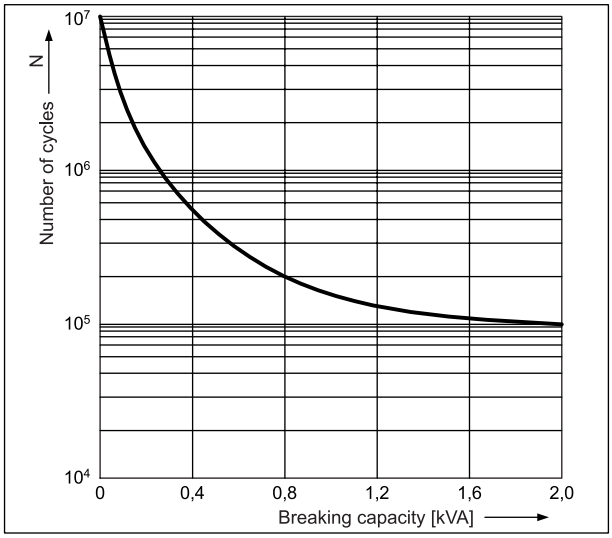
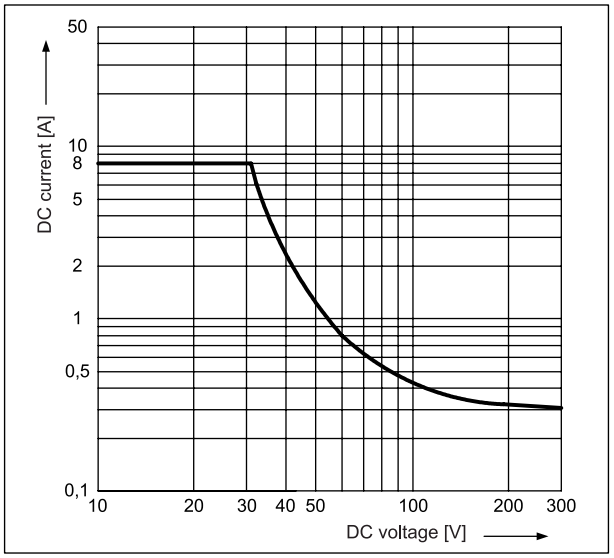
Specification Curves (continued)

RM84

Electrical life at AC resistive load.
Maximum switching frequency at rated load



Max. DC resistive load breaking capacity



Electrical life reduction factor
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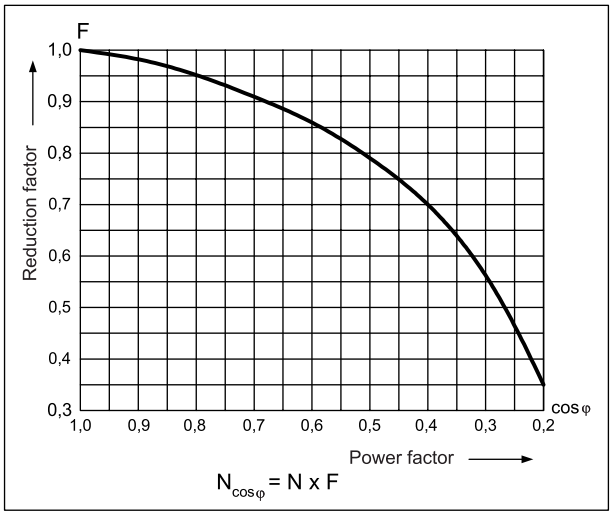
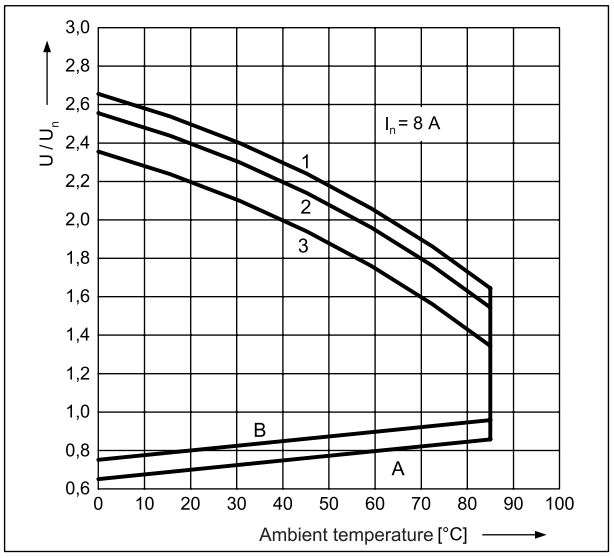
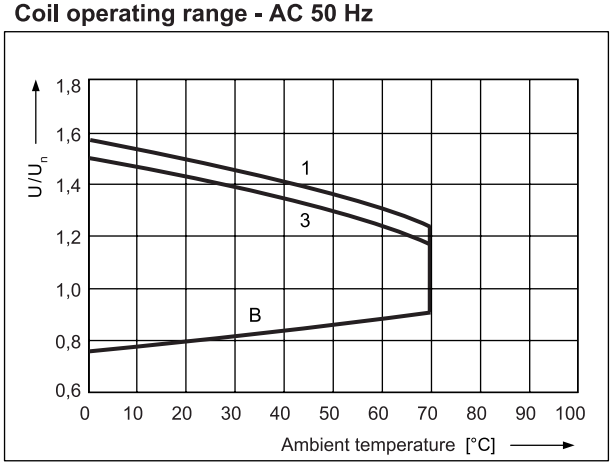


Coil operating range - DC



Coil operating range - AC 50 Hz



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