

# Auxiliary contact blocks for AF116B..RT ... AF370B..RT contactors for severe industrial environments



CEL19..RT

## Description

The auxiliary contact blocks are used for the operation of auxiliary and control circuits for severe industrial environments.

Types of auxiliary contact blocks for side mounting:

- CEL 1-pole block, with built-in microswitch IP67 degree of protection (IP20 on terminals). Instantaneous N.O. or N.C. contact.

For clipping onto the right- and/or left-hand side of the contactors.

The auxiliary contact blocks are equipped with screw type connecting terminals delivered open, protected against accidental direct contact and bear the corresponding function marking.

## Ordering details (1)

For contactors	Auxiliary contacts	Type	Order code	Pkg qty	Weight (1 pce)
	 				kg

### Side-mounting instantaneous auxiliary contact blocks

AF116B..RT ... AF370B..RT	1 0	CEL19-10-RT	1SFN010833R1010	1	0.04
	0 1	CEL19-01-RT	1SFN010833R1001	1	0.04

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## Technical data

Types	CEL19
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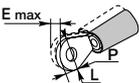
### Contact utilization characteristics according to IEC

<b>Standards</b>	IEC 60947-5-1 and EN 60947-5-1	
<b>Rated insulation voltage <math>U_i</math></b> acc. to IEC 60947-5-1	250 V	
<b>Rated operational voltage <math>U_e</math> max.</b>	125 V	
<b>Conventional thermal current <math>I_{th}</math> - <math>\theta \leq 40^\circ\text{C}</math></b>	0.1 A	
<b><math>I_e</math> / Rated operational current AC-14</b>	<b>24-127 V 50/60 Hz</b>	0.1 A
acc. to IEC 60947-5-1		
<b>Making capacity</b> acc. to IEC 60947-5-1	6 x $I_e$ AC-14	
<b>Breaking capacity</b> acc. to IEC 60947-5-1	6 x $I_e$ AC-14	
<b><math>I_e</math> / Rated operational current DC-12</b>	<b>24 V DC</b> <b>48 V DC</b> <b>72 V DC</b> <b>110 V DC</b> <b>220 V DC</b>	0.1 A
acc. to IEC 60947-5-1		
		0.1 A
		0.1 A
		0.1 A
		-
<b>Short-circuit protection device</b>	0.1 A (FF type fuses) (1)	
<b>Minimum switching capacity</b>	3 V / 1 mA	
with failure rate acc. to IEC 60947-5-4		
<b>Mechanical durability</b>	Number of operating cycles	(2)
	Max. switching frequency	(2)
<b>Electrical durability</b>	Number of operating cycles	(2)
	Max. switching frequency	<b>AC-14, AC15</b> (2) <b>DC-12</b> (2)
<b>Mirror contacts</b> acc. to annex F of IEC 60947-4-1	N.C. auxiliary contacts are mirror contacts	

### Contact utilization characteristics according to UL / CSA

<b>Standards</b>	UL 508, CSA C22.2 N°14
<b>Max. operational voltage</b>	125 V
<b>Pilot duty</b>	
AC thermal rated current	0.1 A

### Connecting characteristics

<b>Connection capacity</b> (min. ... max.)		
Main conductors (poles)		
Flexible with insulated ferrule		
	<b>1 or 2 x</b>	0.75...2.5 mm <sup>2</sup>
	<b>Ø mm &gt;</b>	3.5 mm
	<b>L mm &lt;</b>	8 mm
	<b>P mm &lt;</b>	4.1 mm
	<b>E mm &lt;</b>	2.9 mm
	<b>Connection capacity acc. to UL/CSA</b>	<b>1 or 2 x</b>
<b>Tightening torque</b>	<b>Terminals</b>	1 Nm
<b>Degree of protection</b>	<b>Terminals</b>	IP20
acc. to IEC 60947-1 / EN 60947-1 and IEC 60529 / EN 60529	<b>Microswitches</b>	IP67
<b>Screw terminals</b>	Delivered in open position, screws of unused terminals must be tightened	
All terminals	M3.5	
<b>Screwdriver type</b>	Flat Ø 5.5 / Pozidriv 2	

(1) or HRC fuses for very fast action (6.3 x 32 mm size).

(2) Please consult us.