Electrical auxiliaries for iC120, DPN, DPN Vigi, ID, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC devices

		Trippin	g					
Auxiliaries		MN		MNs	MNx			
Type Undervoltage		age release						
					1	,		
	9	Instantaneou	IS	9	Delayed		of the supply voltage	
06.181701BB4		DB-107182-80				PB107149-30		
Function					,			
		decreases (between 70			ciated to trip when its input voltage the device from closing until its inpu	of the control	the associated device by opening circuit tton, dry contact)	
					■ No tripping in the event of transient voltage dips (up to 0.2 s	associated de A locking p circuit protect	ne supply voltage does not trip the vice ush-button control allows the ed (e.g. machine control) to be ty configuration	
Wiring diagrams					,	,		
70BH 1880		U < D1 D2 (U+) (Ni-)				E1 E2 N L2		
Utilization								
		■ Emergency stop via a normally-closed p ■ Ensures the safety of the power supply of preventing accidental startups				 Insensitive circuit voltage Important: Be switch off the 	■ Fail-safe emergency stop ■ Insensitive to the variation in the control circuit voltage to improve continuity of service Important: Before any servicing operation switch off the mains power supply (voltage presence at terminals E1/E2)	
Catalogue numbe	ers	A9N26960	A9N26961	A9N26959	A9N26963	A9N26969	A9N26971	
iC120, DPN, DPN \		•	•	•			•	
C60H-DC, SW60-E C60PV-DC, C60NA		•	•	•	•	•	•	
		•				•		
Technical specific Rated voltage (Ue)		220240	48	115	220240	230	400	
nated voltage (0e)	V DC	_	48	-	_	_	400	
Standardised oper non-response to vo (Ua)*	ating and	-	-	-	-	-	-	
Maximum operatin	g time	-	-	-	-	-	-	
Minimum non-resp	onse time	-	-	-	-	-	-	
Operating frequency	Hz	50/60 400		50/60	50/60	50/60		
Mechanical state in red	ndicator light,	On front face			On front face	On front face	On front face	
Test function		-			-	_		
Width in 9 mm mod Operating current	dules	2			2	2	2	
		_			-	_		
Number of contact		-			-	-		
Operating temperature	°C	-25+50			-25+50		-25+50	
Storage temperature	°C	-40+85			-40+85	-40+85		
Standards					1			
IEC/EN 60947-1 IEC/EN 60947-5-1		•			_	•		
EN 60947-2		_ ■		<u>.</u>	-		_	
EN 62019-2 ⁽¹⁾		-			-	-		
(1) For iC120, DPN.								

*(Ua): Voltages measured between the phase and the neutral conductor, at which the MSU device must control the associated protective device.

Electrical auxiliaries for iC120, DPN, DPN Vigi, ID, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC devices (cont.)

	MSU					MX+OF					
	Voltage thres	Voltage threshold release					se				
									With Open/Close auxiliary contact		
PB107153-30	DE107169-30					から日本		DB:107.48-30	•	,	
						l					
	■ Cuts off the p which it is assoc exceeded (loss of three MSU trippi	iated wher of neutral).	the phase, For a four-p	/neutral vol	tage is	■ Trips the ass	sociated device v	vhen it is powered		open/close con	tact (OF) to
										pen" or "closed'	
	_										
DB118806	U>>				DB123012	U > C2 C1 (U+) (N/-)		0811800	14 12 C2 C1 11 (L/+) (N/-)		
									,		
	■ Protection of electrical networ ■ Monitoring that and the neutral of	rk (break in e voltage b	the neutral	conductor)	Emergency pushbutton.	stop via a norma	lly-open	pushbutton	stop via a norma ication of the po- vice	
	A0N26500										
	A9N26500					A9N26476	A9N26477	A9N26478	A9N26946	A9N26947	A9N26948
	A9N26500 ■					A9N26476 ■	A9N26477 ■	A9N26478 ■	A9N26946 ■	A9N26947 ■	A9N26948
	•					•		•	•	•	•
	-					•	•	•	•	•	•
	•					100415	48	1224	100415	48	1224
	230	075.04.0		lorov a c	400 V A O	•	48 48	•	•	48 48	•
	230 - 255 V AC			350 V AC		100415	48 48 48 -	1224	100415	48 48 -	1224
	230	15 s	5 s	0.75 s	0.20 s	100415	48 48	1224	100415	48 48 48 -	1224
	230 - 255 V AC					100415	48 48 48 -	1224	100415	48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face	48 48 48 -	1224	100415 110130	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face -	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face	48 48 48 -	1224	100415 110130 - - - 50/60 On front face	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face	48 48 48 -	1224	100415 110130 - - - 50/60 On front face - 2	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 2	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face	48 48 48 -	1224	■ 100415 110130 - - - 50/60 On front face - 2 3 A / 415 V AC 6 A / ≤ 240 V A	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 2	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face	48 48 48 -	1224	100415 110130 - - - 50/60 On front face - 2	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 2 -	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face - 2	48 48 48 -	1224	100415 110130 - - - 50/60 On front face - 2 3 A / 415 V AC 6 A / ≤ 240 V AC 1 NO/NC	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 225+50 -40+85	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face - 2 - - -25+50 -40+85	48 48 48 -	1224	100415 110130 - - 50/60 On front face - 2 3 A / 415 V AC 6 A / ≤ 240 V A 1 NO/NC -25+50 -40+85	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 225+50	15 s	5 s	0.75 s	0.20 s	100415 110130 - - - 50/60 On front face - 2 - - - -25+50	48 48 48 -	1224	100415 110130 - - - 50/60 On front face - 2 3 A / 415 V AC 6 A / ≤ 240 V Ad 1 NO/NC -25+50	48 48 48 -	1224
	230 - 255 V AC No tripping 50/60 On front face - 225+50 -40+85	15 s	5 s	0.75 s	0.20 s	100415 110130 50/60 On front face - 225+50 -40+85	48 48 48 -	1224	100415 110130 - - 50/60 On front face - 2 3 A / 415 V AC 6 A / ≤ 240 V A 1 NO/NC -25+50 -40+85	48 48 48 -	1224

Electrical auxiliaries for iC120, DPN, DPN Vigi, ID, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC devices (cont.)

	Indication				
Auxiliaries	OF.S	OF	SD	OF+SD/OF	OF+SD24
Туре	Open/closed auxiliary contact	Open/closed auxiliary contact	Fault indicating contact	Double open/closed or fault indicating contact	Double open/close and fault indicating contact
	PB100628_SE:30-b	PB107146-30	4-05-38' 92900184	DO VOLLAND REEL	ComReady
Function					ļ.
	■ Changeover contact indicating the "open" or "closed" position of the associated device Compulsory for the addition of tripping or indication auxiliaries on a residual current circuit breaker ID	■ Changeover contact indicating the "open" or "closed" position of the associated device	■ Changeover contact indicating the position of the associated device in the event of: □ electrical fault □ action on the tripping auxiliary ⚠ Not compatible with a ID residual current circuit breaker, use an OF+SD/OF in the SD position	■ The OF+SD/OF auxiliary is a two-in-one product: choice of OF + SD or OF + OF contact via the selector switch	■ 2 contacts (1 NO + 1 l can report the signalling information of the associated device to the Acti 9 Smartlink or a programmable logic controller: □ electrical fault □ actuation of the trippi auxiliary □ "Open" or "Closed" position of the associated device
Wiring diagrams		1	1	I 44 49 44 44 44	OF SD 24VDCAVCC
	DB11880	14 12 11	21891BIO 92 94 91	14 12 11	o F SD 24 VDC/VCC

		6 6 6 6 14 12 11			24 22 21	92 94 91	
					OF position	SD position	
Utilization							
		■ Remote indication of the position of the associated device	■ Remote indication of the position of the associated device	■ Remote fault tripping indication of the associated device	tion tripping indication of the associated		■ Remote indication of position and tripping upon a fault of the associated breaker
Catalogue numbe	rs	A9N26923	A9N26924	A9N26927	A9N26929		A9N26899
ID		•	•				
iC120, DPN, DPN Vigi, C60H-DC, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC		-			•		•
Technical specific	cations	•					
Rated voltage (Ue)	V AC	24415	24415	24415	24415		-
	V DC	24130	24130	24130	24130		24
Operating Hz frequency		50/60	50/60	50/60	50/60		-
Mechanical state inc	dicator	-	-	On front face	On front face		On front face
Test function		-	On front face	On front face	On front face		On toggle
Width in 9 mm modules		1 1			1		1
Operating current		3 A /415 V AC 6 A / ≤ 240 V AC					2 mA mini, 100 mA maxi
Number of contacts	S	1 NO/NC	1 NO/NC	1 NO/NC	1 NO/NC + 1 NO/NC		1 NO + 1 NC
Operating °C temperature		-25+50	-25+50	-25+50	-25+50		-25+70

-40...+85

-40...+85

-40...+85

■ IEC 60947-5-4

(1) For iC120, DPN.

IEC/EN 60947-5-1

Technical Section 11

EN 60947-2 EN 62019-2⁽¹⁾

Storage temperature **Standards** IEC/EN 60947-1

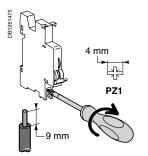
> Dimensions Section 12

-40...+85

-40...+85

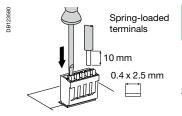
Electrical auxiliaries for iC120, DPN, DPN Vigi, ID, C60H-DC, SW60-DC, C60PV-DC, C60NA-DC devices (cont.)

Connection



Туре	Tightening	Copper cables	
	torque	Rigid	Flexible or with ferrule
	DB122945	D8122946	
Indication and tripping auxiliaries	1 N.m	0.5 to 2.5 mm ²	2 x 1.5 mm ²

Ti24 connector connection



		Copper cables			
	numbers	Rigid	Flexible		
	DB122945	061239653			
Ti24 interface	A9XC2412	1 x 0.5 to 1.5 mm ²	1 x 0.5 to 1.5 mm ²		

Ti24 prefabricated cables connection



Туре	Cat. no.	Length					
Connection for Acti 9 Smartlink							
6 short prefabricated	A9XCAS06	100 mm					
6 medium-sized prefabricated	A9XCAM06	160 mm					
6 long prefabricated	A9XCAL06	870 mm					

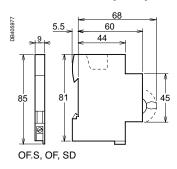
10F+SD24 10F+SD24

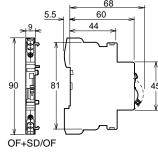
	Connection for PLC type terminals							
	6 long prefabricated on a single side	A9XCAU06	870 mm					
$\bigg)$								

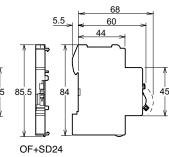
Weight (g)

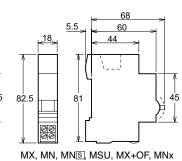
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66
73
66
60
65
33
30
30
38
28

Dimensions (mm)









Technical Section 11 Dimensions Section 12