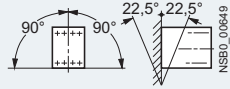


For Operation in the Field, High Degree of Protection

Compact Starters for AS-Interface, 400 V AC

General data

More information

	DS/RS	EDS/ERS
Degree of protection	IP65 (with closed connection elements and cover)	
Material	Thermoplast (glass-fiber reinforced)	
Color	Anthracite RAL 7016	
Cover	Latching, sealable	
Dimensions (W x H x D)	mm	120 x 265 x 134
Temperature range		
• Operating temperature	°C	-25 ... +55 (note derating: see manual)
• Storage temperature	°C	-40 ... +70
Permissible mounting positions	 <p>Important: Acc. to DIN 43602 Start command "I" at the right or top</p>	
Shock resistance		
Rectangular pulse	g/ms	2/unlimited, 10/5 or 5/10
Sine pulse	g/ms	2/unlimited, 8/10 or 15/5
External power supply		
For output supply (contactor control)	V DC	24 (PELV – must be grounded)
Rated operational voltage U_e		
For electronics and inputs (feedback of controlgear states) using AS-Interface data line	V DC	26.5 ... 31.6 (acc. to AS-Interface specification)
AS-Interface power consumption	mA	max. 100
Power consumption U_{aux}	mA	Approx. 170
Watchdog function (disconnects outputs in the event of AS-Interface fault)		Built-in
Diagnostics		
Using AS-Interface		Feedback from motor starter protectors and contactor(s) through positively driven auxiliary contacts and separate inputs
Through LED on the enclosure		Auxiliary voltage applied AS-Interface communication OK AS-Interface communication faulty Station address = 0 (module not addressed)
Through LED on the hand-held device		On or Clockwise or Counterclockwise
Main circuit		
Rated operational voltage	V AC	500 acc. to DIN VDE 0106 Part 1014, 600 acc. to CSA and UL
Safe isolation between main and auxiliary circuits (acc. to DIN VDE 0106, Part 101)	V	Up to 400
Rated power	kW	5.5
Permissible operating modes		Uninterrupted duty, temporary duty, periodic duty, periodic intermittent duty (50 % relative ON period at 80 1/h at 5.5 A)
Permissible switching frequency with a starting time $t_A = 0.1$ s and a relative ON period $t_{OP} = 50$ %	1/h	≤ 80
Trip class		Class 10
Conductor cross-sections of power connector for infeed/feeder/9-pole loop	mm ²	≤ 4, AWG (15 ... 11)
Max. permissible current through power connector (dependent on cable cross-section)		
• $T_u = 60$ °C	A	30 (4 mm ²), AWG (11); 20 (2.5 mm ²), AWG (15); 12 (1.5 mm ²), AWG (13)
• $T_u = 40$ °C	A	35 (4 mm ²), AWG (11); 25 (2.5 mm ²), AWG (15); 15 (1.5 mm ²), AWG (13)
Short-circuit strength of the starter combination	kA	65 (acc. to type of coordination "1")
Electrical endurance of the motor starter protector element under load I_a (AC-3)	Operating cycles	See endurance characteristic curves of the 3RT10 contactors