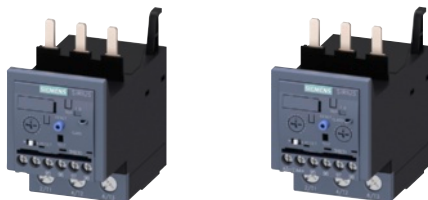


Protection Equipment

Overload Relays

Introduction



Type	3RB30	3RB31
SIRIUS overload relays up to 80 A		
Applications		
• System protection	✓ ¹⁾	✓ ¹⁾
• Motor protection	✓	✓
• Alternating current, three-phase	✓	✓
• Alternating current, single-phase	--	--
• Direct current	--	--
Size contactor	S00, S0, S2	S00, S0, S2
Rated operational current I_e		
• Size S00	A Up to 16	Up to 16
• Size S0	A Up to 40	Up to 40
• Size S2	A Up to 80	Up to 80
Rated operational voltage U_e	V 690 AC	690 AC
Rated frequency	Hz 50/60	50/60
Trip class	CLASS 10E, 20E	CLASS 5E, 10E, 20E, 30E (adjustable)
Thermal overload releases	A -- A	--
Electronic overload releases	A 0,1 ... 0,4 up to A 20 ... 80	0,1 ... 0,4 up to 20 ... 80
Accessories		
For sizes	S00 S0 S2	S00 S0 S2
Terminal supports for stand-alone installation	✓ ✓ ✓	✓ ✓ ✓
Mechanical RESET	✓ ✓ ✓	✓ ✓ ✓
Cable releases for RESET	✓ ✓ ✓	✓ ✓ ✓
Electrical remote RESET	-- -- --	Integrated in the unit
Terminal covers		
• Ring terminal lug connections	-- -- --	-- -- --
• For box terminals	-- -- ✓	-- -- ✓
Sealable covers for setting knobs	✓ ✓ ✓	✓ ✓ ✓

✓ Has this function or can use this accessory
-- Does not have this function or cannot use this accessory

¹⁾ The units are responsible in the main circuit for overload protection of the assigned electrical loads (e.g. motors), feeder cable, and other switching and protection devices in the respective load feeder.

²⁾ Terminal covers for ensuring finger-safe touch protection are available for 3RU21 overload relays with ring terminal lug connections for mounting onto contactors.