










Basic Numerical Relay Selection Guide (Drawout Type)

#	Sr. No.	Relay Image	Product Name	Analogue Input	B I	B O	ANSI Code	Protocol	Cutout Dimension	Net Weight
1			REX610_M_Feeder	3I + IO	6	6	50,51,50N,51N,37,46,46PD,50BF,68,49,79,95,86	Modbus / IEC 61850	127 mm (W) x 155 mm (H)	2.5 kG
2			REX610_M_Motor	3I + IO	6	6	50,51,50N,51N,49,46PD,46,46R,51LRS,14,48,66,50L/R,37,50BF,95,86	Modbus / IEC 61850	127 mm (W) x 155 mm (H)	2.5 kG
3			REX610_B_Voltage	3U + U0	6	6	27,59,59G/N,25,81U,81O,79,95,86	Modbus / IEC 61850	127 mm (W) x 155 mm (H)	2.5 kG
4			REX610_MB_Feeder	4I + 4U	6	6	50,51,50N,51N,37,46,46PD,50BF,68,49,27,59,59G/N,67,67N,25,81U,81O,79,95,86	Modbus / IEC 61850	127 mm (W) x 155 mm (H)	2.5 kG
5			REX610_MB_Motor	4I + 4U	6	6	50,51,50N,51N,49,46PD,46,46R,51LRS,14,48,66,50L/R,37,50BF,27,59,59G/N,67,67N,81U,81O,79,95,86	Modbus / IEC 61850	127 mm (W) x 155 mm (H)	2.5 kG
6			REF611_Feeder	3I + IO	8	6	50,51,50N,51N,46,49,95,67	Modbus / IEC 61850	164 mm (W) x 160 mm (H)	4.5 kG
7			REM611_Motor	3I + IO	4	6	50,50N(CBCT),46,49,37,50L/R,Motor start up supervision,No of starts,95	Modbus / IEC 61850	164 mm (W) x 160 mm (H)	4.5 kG
8			REB611_Busbar	3I + IO	4	6	High Impedance Differential (REF or Busbar), Protections 87B or 64R	Modbus / IEC 61850	164 mm (W) x 160 mm (H)	4.5 kG
9			REB611_Motor	3I + IO	4	6	High Impedance Differential (Motor, REF), Protections 87M or 64R	Modbus / IEC 61850	164 mm (W) x 160 mm (H)	4.5 kG
10			REU611_Voltage	3U + U0 + U12B	4	6	27U, 59, 59N, 86	Modbus / IEC 61850	164 mm (W) x 160 mm (H)	4.5 kG
11			REV615_Capacitor	7I + 5U	12	10	50,51,50N,51N,46,46N,27,59,59N,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG

12		REF615_Feeder	4I + 5U	16	10	50,51,50N,51N,94,86,46,49,64R,67,67N,32,60,27,59,59N,25,81U,81O,df/dt,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
13		REG615_Generator	7I + 5U	12	10	87G, 64R (Calculated Version), 50, 51, 50N, 51N, 86, 67, 67N, 46, 49, 64S(Stator E/F), Rotor E/F, 68, 32R, 32O, 32U, 40,78, 27,59, 25	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
14		RED615_Cable / Line	4I + 5U	16	10	87L(Suitable for distance from 2 to 20km and Single Mode FO cable),50,51,50N,51N,46,49,95,67,27,59,81 + Directional E/F	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
15		REM615_Motor	4I + 5U	16	10	50,50N(CBCT),46,49,37,50L/R,Motor start up supervision,No of starts,27,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
16		RET615_Transformer	7I + 5U	12	10	50,50N,51,51N,87T,64R(High Impedance),46,49,27,59,59N,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
17		REU615_Voltage	5U	12	10	27,59,59N,25,81U,81O,df/dt,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	164 mm (W) x 160 mm (H)	4.5 kG
18		REF620_Feeder	4I + 5U Optional BI BO available	24	14	50,51,50N,51N,67,67N,46,49,37,79,27,59,59N,25,81U,81O,df/dt,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	246 mm (W) x 160 mm (H)	5.5 kG
19		REM620_Motor	7I + 5U + 6RTD + 2mA (Optional) BI BO available	12	10	50,51,50N(CBCT),51N,67,67N,46,49,37,50L/R,Motor start up supervision,No of starts,27,59,59N,87M,81U,81O,97,95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	246 mm (W) x 160 mm (H)	5.5 kG
20		RET620_Transformer	8I + 6U + 2RTD + 1mA Optional BI BO available	8	13	87T,64R(High and Low Impedance), 50, 51, 50N, 51N, 67, 67N, 46, 49, 37, 24, 27, 59, 59N, 81U, 81O, df/dt, 95	Modbus / IEC 61850 / IEC 103 / DNP 3.0	246 mm (W) x 160 mm (H)	5.5 kG

Note :-

- Analogue Input, BI & BO will vary based on customer application & site requirement.
- However, Protections, Protocol, Dimension and Weight will remain same as per selection.
- Always ask for Technical Datasheet from SYNERGY prior order finalisation.