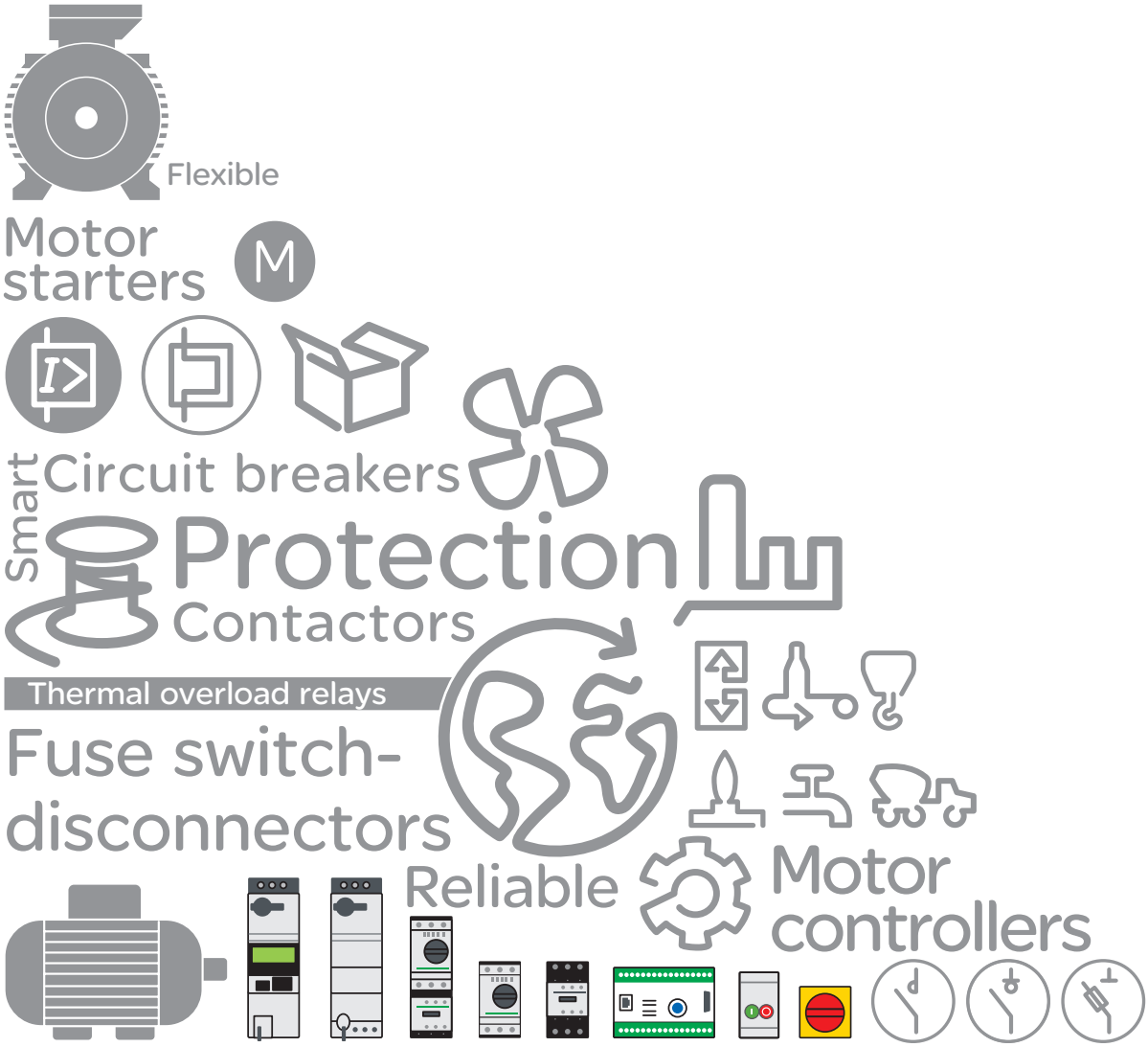
Low voltage
Catalogue | 2015/2016

TeSys

Motor control and protection components



Schneider Electric

Overload relays from 0.16 to 630 A

Technical Data for Designers B11/19

Protection components

TeSys LRK thermal overload relays, adjustable from 0.11 to 16 A

Overload relays

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LR2 K0307

3-pole relays with screw clamp terminals

These overload relays are designed for the protection of motors. They are compensated and phase failure sensitive. Resetting can either be manual or automatic.
Direct mounting: under the contactor for versions with screw clamp terminals only; pre-wired terminals, see pages B11/26 and B11/28.
Separate mounting: using terminal block LA7 K0064 (see below).
On the front face of the overload relay:
- selection of reset mode: Manual (marked H) or Automatic (marked A),
- red pushbutton: Trip Test function,
- blue pushbutton: Stop and manual Reset,
- yellow trip flag indicator: overload relay tripped.

Protection by magnetic circuit breaker GV2 LE, see pages A5/11 and A5/20.

Class 10 A (the standard specifies a tripping time of between 2 and 10 seconds at 7.2 In)

Relay setting range	Fuses to be used with selected relay Maximum rating Type			Reference
	aM	gG	BS88	
A	A	A	A	
0.11…0.16	0.25	0.5	–	**LR2K0301**
0.16…0.23	0.25	0.5	–	**LR2K0302**
0.23…0.36	0.5	1	–	**LR2K0303**
0.36…0.54	1	1.6	–	**LR2K0304**
0.54…0.8	1	2	–	**LR2K0305**
0.8…1.2	2	4	6	**LR2K0306**
1.2…1.8	2	6	6	**LR2K0307**
1.8…2.6	4	8	10	**LR2K0308**
2.6…3.7	4	10	16	**LR2K0310**
3.7…5.5	6	16	16	**LR2K0312**
5.5…8	8	20	20	**LR2K0314**
8…11.5	10	25	20	**LR2K0316**
10…14	16	32	25	**LR2K0321**
12…16	20	40	32	**LR2K0322**

Characteristics: pages B11/26 and B11/28
Dimensions: page B11/28
Schemes: page B11/28

Protection components

TeSys LRK thermal overload relays, adjustable from 0.11 to 16 A

Overload relays

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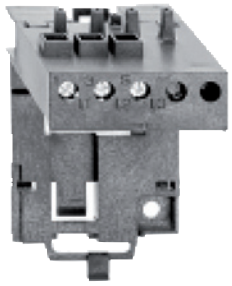

LA7 K0064

Overload relays for unbalanced loads

Class 10 A: to order, replace the prefix **LR2** by **LR7** in the references selected from above (only applicable to overload relays **LR2 K0305** to **LR2 K0322**).
Example: **LR7 K0308**.

Accessory

Description	Type of connection	Reference
Terminal block for separate clip-on mounting of the overload relay on 35 mm ⎓ rail	Screw clamp	**LA7K0064**