



K 7214: Feeding and current distribution

- for SELV and PELV
- redundant feeding up to 150 A total current
- for fusing of up to 18 single circuits with circuit breakers (manufacturer E-T-A[®])

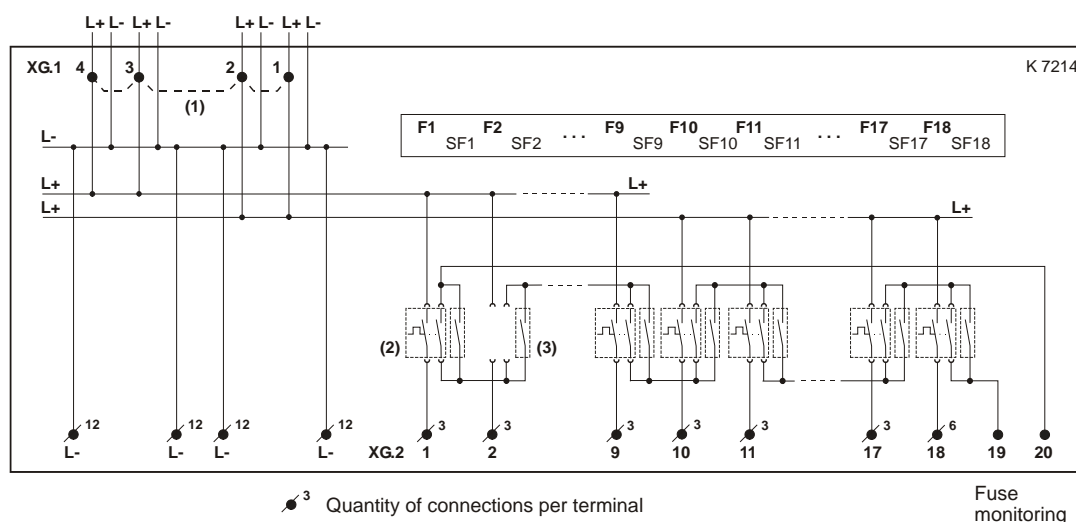


Figure 1: Wiring diagram

Explanations

- (1) After inserting the provided jumper into the terminal the two separated groups with 9 circuit breakers each are interconnected
- (2) Circuit breaker F.. with monitoring contact
- (3) The monitoring contacts of non-equipped circuit breaker slots can be overridden with the slide switches SF..

Position 1	circuit breaker not equipped
Position 2	circuit breaker equipped

Construction:

Printed circuit board with front sockets for up to 18 circuit breakers (with monitoring), connecting field on the rear with tension spring clamps.

Total current	150 A max.
Power Supply	SELV or PELV with 24 VDC or 48 VDC
Dimensions	19 inches, 2 units high
Mounting depth	approx. 180 mm
Protection class	IP 00
Weight	1.2 kg (without circuit breakers)

Preferred type of circuit breakers (not delivered with K 7214):

Nominal current	Manufacturer	Type	HIMA part no.
4 A	E-T-A ^â	2210-S211-P1T2-H111 4 A	57 0350040
16 A	E-T-A ^â	2210-S211-P1T2-H111 16 A	57 0350160

Table 1: Preferred type of circuit breakers

For further details refer to the data sheet from E-T-A^â.

Connections and wiring:

Connection	Max. Cross section of wires
XG.1:1 / 2 / 3 / 4	16 mm ²
Feeding L-	16 mm ²
Distribution L-	4 mm ²
XG.2: 1 ... 20	2.5 mm ²

Table 2: Connections and wiring

Accessories:

Accessories supplied by HIMA:

- M 3447 Labelling field with three guiding rings (1 HU)
- M 3443 Labelling field with cable duct (1 HU)
- M 3445 Labelling field with 2 cable ducts (1 HU)

Views:

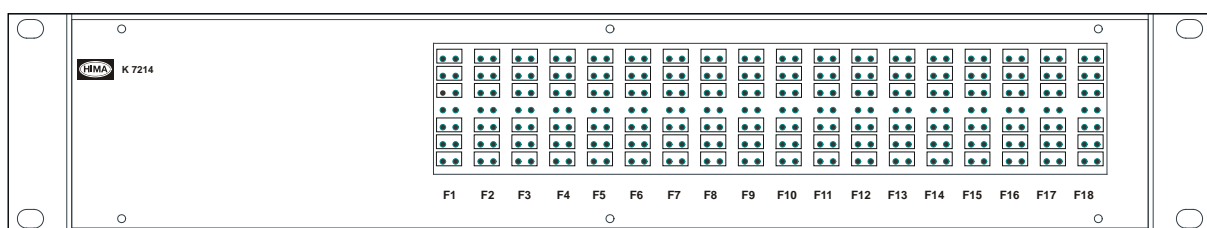


Figure 2: Front view with slots for circuit breakers F1 to F18

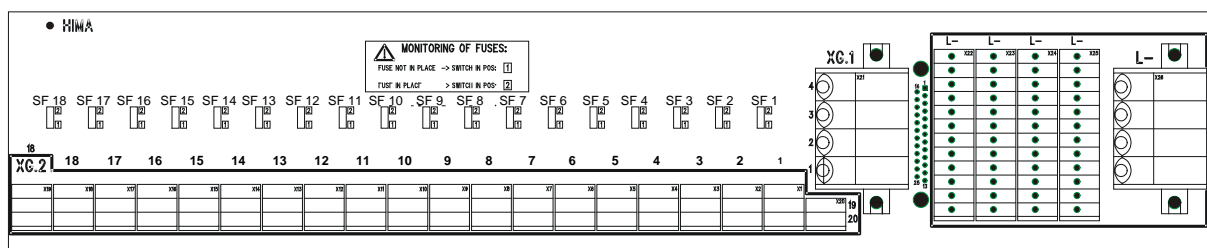


Figure 3: Rear view with switches SF1 to SF18