

# DEK STANDARD ENGINEERING INSTRUCTION

Title

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## Electrical Component Symbols - Switch/Control Gear, Protective Devices

**DSE151**

Diagram A Switches

DSE 1.5.1

|                 |               |                 |                          |
|-----------------|---------------|-----------------|--------------------------|
|                 |               |                 |                          |
| Switch Pressure | Switch Vacuum | Switch Air Flow | Switch Micro- (limiting) |
| COMPONENT REF   | COMPONENT REF | COMPONENT REF   | COMPONENT REF            |
| S               | S             | S               | S                        |

|                           |                        |               |                           |
|---------------------------|------------------------|---------------|---------------------------|
|                           |                        |               |                           |
| Switch Latching Emergency | Switch Toggle or Slide | Switch Rotary | Switch Non contact (reed) |
| COMPONENT REF             | COMPONENT REF          | COMPONENT REF | COMPONENT REF             |
| S                         | S                      | S             | S                         |

|                       |                               |                                  |                 |
|-----------------------|-------------------------------|----------------------------------|-----------------|
|                       |                               |                                  |                 |
| Switch Thermal Cutout | Switch Thermal Overload Relay | Switch Miniature Circuit Breaker | Switch Isolator |
| COMPONENT REF         | COMPONENT REF                 | COMPONENT REF                    | COMPONENT REF   |
| THE                   | OL                            | CB                               | ISL             |

|                            |                        |
|----------------------------|------------------------|
|                            |                        |
| Switch Push (non-latching) | Switch Push (latching) |
| COMPONENT REF              | COMPONENT REF          |
| S                          | S                      |

Issue

01

02

03

04

05

06

07

08

DCR

7135

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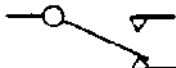
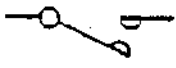
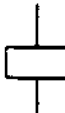
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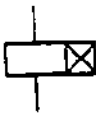
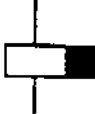
## Electrical Component Symbols - Switch/Control Gear, Protective Devices

DSE151

DSE 1.5.1

Diagram B      Relays and Contacts

|                                                                                   |                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| Relay Contacts<br>(one set)                                                       | Contactor Contact<br>(Coil same as Relay)                                         | Relay Coil<br>Polarised                                                           | Relay Coil<br>Non-Polarised                                                         |
| COMPONENT REF                                                                     | COMPONENT REF                                                                     | COMPONENT REF                                                                     | COMPONENT REF                                                                       |
| * RL                                                                              | CON                                                                               | * RL                                                                              | * RL                                                                                |

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| Relay Coil<br>Time-Delay On                                                         | Relay Coil<br>Time-Delay Off                                                        |
| COMPONENT REF                                                                       | COMPONENT REF                                                                       |
| * RL                                                                                | * RL                                                                                |

\* The General Component Reference is RL.  
If desired use a functional reference.

|       |      |    |    |    |    |    |    |    |
|-------|------|----|----|----|----|----|----|----|
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## Electrical Component Symbols - Switch/Control Gear, Protective Devices

**DSE151**

Diagram C Fuses

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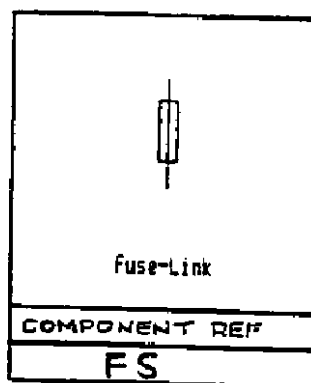


Diagram D Suppressors

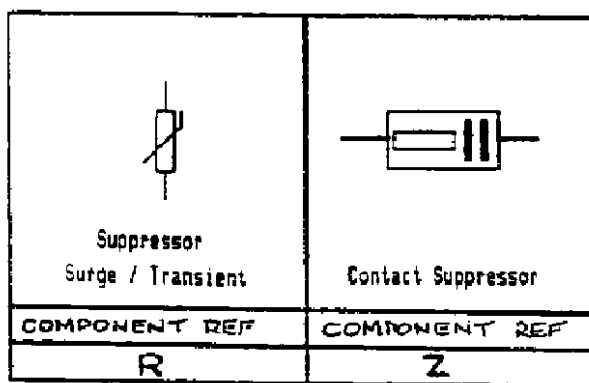
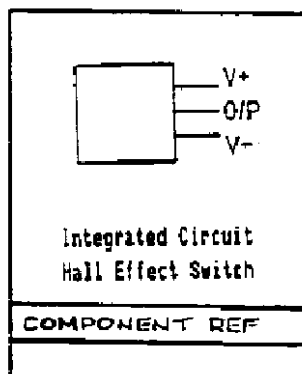


Diagram E Hall Effects



|       |      |    |    |    |    |    |    |    |
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