

Leittechnik
Graphische Symbole und Kennbuchstaben
für die Prozeßleittechnik
 Darstellung von Aufgaben

DIN
19 227
 Teil 1

Control technology; graphical symbols and identifying letters for process control engineering; symbolic representation for functions

Ersatz für Ausgabe 09.73,
 DIN 19 227 T 3/09.78 und
 DIN 19 227 T 4/09.78

Zusammenhang mit den von der International Organization for Standardization herausgegebenen internationalen Normen der Reihe ISO 3511, siehe Erläuterungen.

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1 Anwendungsbereich und Zweck

Die Norm gilt für die **aufgabenbezogene** Darstellung der Prozeßleittechnik (PLT). Die Prozeßleittechnik umfaßt nur die **prozeßbezogene** Elektro-, Meß-, Steuerungs- und Regelungstechnik, im folgenden kurz EMSR-Technik genannt. Die Norm findet Anwendung für alle verfahrenstechnischen Anlagen, beispielsweise in der chemischen Industrie, in der Mineralölindustrie, für entsprechende Anlagen in Kraftwerken, Hüttenwerken und Zechen, für die Industrie Bau, Steine und Erden, die Zellstoff- und Papierindustrie, die Nahrungsmittelindustrie, die Gas- und Wassertechnik, die Klimatechnik u.ä.

Die **lösungsbezogene** Darstellung der EMSR-Funktionen wird in DIN 19 227 Teil 2 beschrieben.

2 Begriffe

Begriffe nach den Normen der Reihe DIN 19 226 und DIN 1319 Teil 2.

3 Darstellung

3.1 Kennzeichnung der Aufgaben

Diese Norm legt das System zur Kennzeichnung der Aufgaben der PLT durch Buchstaben (nachfolgend „Kennbuchstaben“ genannt) und durch graphische Symbole zum Darstellen der funktionellen Arbeitsweise in Ri-Fließbildern fest.

Aus der Kennzeichnung soll hervorgehen:

Die Meßgröße oder eine andere Eingangsgröße, ihre Verarbeitung, die EMSR-Stellen-Kennzeichnung, die Ortsangaben und der Wirkungsweg.

Darstellungen von Ri-Fließbildern verfahrenstechnischer Anlagen, für Apparate, Maschinen, Rohrleitungen und dergleichen sind in den Normen der Reihe DIN 28 004 festgelegt.

Fortsetzung Seite 2 bis 23

Deutsche Elektrotechnische Kommission im DIN und VDE (DKE)
 Normenausschuß Chemischer Apparatebau (FNCA) im DIN Deutsches Institut für Normung e.V.
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